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Q9925790.Seq

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Q9925791.Seq

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09925792.Seq

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Q9925793.Seq

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Q9925794.Seq

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Q9925798.Seq

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09925800.Seq

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09925801.Seq

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## DOGION SHOTTON

Q9925802.Sed

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09925803.Seq

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Q9925805.Seq

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Q9925806.Seq

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Q9925810.Seq

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#### 09925811.Seq

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Q9925812.Seq

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Q9925760.Seq

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# DWW1IW45 DFM361

Q9925815.Seq

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Q9925817.Seq

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Q9925823.Seq

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09925825.Seq

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Q9925826.Seq

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Q9925830.Seq

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Q9925834.Seq

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Q9925835.Seq

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09925836.Seq

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## DOG ADGNE OFFICE

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09925863.Seq

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Q9925867.Seq

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## DODING'S DIEDE

09925869.Seq

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09925873.Sed

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09925874.Seq

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Q9925876.Seq

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# DOSIDS S. DESTINA

Q9925878.Seq

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Q9925879.Seq

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09925881.Seq

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Q9925884.Seq

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Q9925885.Seq

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# TOWN CAUCA TOWN

Q9925888.Seq

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09925890.Seq

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Q9925891.Seq

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Q9925893.Seq

GCCATCTGATTTCTGAGAAGCTTGGGGTTCACCCATCCAGTTGTCATGGCTTCATCCTGGGAGAACATGGAGATACCAGTGTGGC CAAGTTGGCATGGCCTGCGCTGTCAGTGCTCCTGAAGGAGTTGGCCGATGAGCTTGCCCTGGTTGATATCTTGGAAGACAAAC AATGTCTTCAAGTTCATTATCCCTCAGGTTGTCAAGTACAAGTCCTGACTGCATCATCATTGTGGTCTCCAATCCAGTGGACATC CTGACCTACGTAACCTGGAAACTGAGTGGCCTTCCCCAACACGCGTATCATTGGCAGTGGGACCAACCTGGATTCTGCACGGTTTC TITGAAAACCNINTACTIGITCTTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGCAGTTGAACACATGGC TGTCTGGAGTGGCGTTAATGTANCTTGGAGTCAGTCTTCANTCCCTTAAACCTG

09925894.Sed

TTACATCTGAAGCAGCAAAAGGCAAAAGCTTACATTTGAAGAAATGATGCGCTATATTCCAGATTTGATTGGTAAATGTATTGGTG TTCATCATCTTTTGATGGGTGGACGAATCCTCTTTAAACATACCCTCGAGACTTACACAAATAGCTATTAAACTATAAATTAGA ACGCCTCTTTCAAGAGCATCGCTTGGTTTCTTTGATTACTCTGCTTAGAGATGCTATATTTTGTGAAACCGCTGAACCACGATCA TGTTTATAATGAATTTCATAAACTCATGTGAATCACCCAAACCCAAACCAAGTAGGCCTGAACTGACTATTCTAAGCCCGACTTC AGAAAACAATAAAAAGCTTTTTAATGATCTGTACAAGAATAATGCTAATCGCTCTGAAAATACAGAAAGGAAGCATAACCAGAAT TNCNGTCTACTTGTTCTTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGTTTGGAAACTCAGTTTCATGAC AAAATCCTACCAGATGTGAACTTGGGAAAAATGATCAAGTCAGTTCCTGGAAAACTCATTAAAGAAAAAGGGCAACATCTGGAGC TACTTTATGGAAGTGATGACCGTAGAGGGTGTTTATGACTATTTAATGTATATAGGACGTGTTGTTTTTCACATTCCTGATTGGT ATGAAGCTAAATATGAAGGCAINCGACTTCTGTTTGGTGGACTGG

09925895.Seq

GTGATTGCAAGAAGGATTTCTGCTCTGTGTGCTCTACACCTCAGGAGAACTTAAGACGTTGCAGTACCTGCCATTTGCTACAGGA TTATGGAAAGCCCGGACATAAATGATTACCGGGTGACGGCAATTTGCATGTCTGTTAGAAACCAGCTGTACAGCATCCATACAAA ACAAATGTTCGTTGCTAATAATAATAATAATAACGCTGACCAGGAAAAGCATCGTACGGAAAATGATTTGCGCTTCCTGGACT GGGTACTGGAGCAGTGCAAGACAGACAGGTTTCGCAGGAGGAACTGGCCCTTTTCGATTTGCATCAAATACTGATTTTCT CCATATCCTGCCTCGTCTTCTAGCAACATTGTGTGTAAAGCCTGTGGGCTAGCATTTTCTGTCTTCAGGAAGAAGATGTGTGTT GANNNCCCTTTTTGAAAINCCGTCTACTTGTTCTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGTGTA AGTTGCAGAGAAAAGGAAGATTTAAGTAGACATGGTACTGGGCCATCATGGNCCCTGTNCN

Q9925896.Seq

GGNGNGGGGAGGTTTTTTAATTCGNGGNNCCCCNNGGCNCCAATGCNTTGGGCCCGGAACCCAACTTTNTTCCCTTTAGGGAGGG TTAATTGCCCCCTTGNCGAAANNATGGGNATAACTGTTTCCTGGGNGAAATTTTTTATCCGCTNACAATTCCCCACAANATACNAAC <u>AAAAAAAAAAAAAAAAAAAAAAGGGGNGGCCUNNAAGGCCTNTCNANCCTTTAAAAACTATAGGGNGTCNTNTTACNTAAANCCAAAC</u> NTNANAAAANNCNTTGATGAGTTNGGNCAANCCNCANCTANAANGCAGNGAAAAAAATGCTTTNTTTGGNAAATTNGGGANNCTN TTGNTTTNTTTGAAACCNTTNTAANCTGCAANAAANAAGTTAANAACANCAATTGCNTTNNTTTTNTNTTTNAGGTTCAGGGGGN TTGAANCCCCTTTTTGAAANNCCNTCTACTTGTTCTTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGTAA CGGGAGCAAAAAGTGTAAAGCCTGGGGGGCCTAATGAAGNGANCTAACCTCANATTNAATTGCGTG

09925897.Seq

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09925898.Sed

AGTGGTGGGCCACCGCCAAAAAAATCTGCTCCATCTGGCCCTGTTCACAGCAGAGCTCCACTTTCACGTGAGAGGGATGGCTATG GTGCCCCACCCCGCAGAGACCCAATGCCATCTCGACGAGATGTCTATTTGTCCCCTAGAGATGATGGCTACAGTGGAAAAGACAG AGAGCGTGTGTGTTTGGTCACCATGGTGGAAGCTGACCGCCCAGGCAAACTGTTTATTGGTGGTCTAACACGGAAC TAATGAGAAGGCTCTGGAGGCCGTGTTCTGCAAATATGGACGTGTGGTTGAAGTTCTTTTAATGAAAAAGACAGAGAGAAAAAAG GCAAACCTATTAAGGTTGAGCAAGCAACAAAACCATCTTTCAGTTCCCCAAGCAGACATGGGCCACCTCCACCACCAGGAGTCG TGGTCCTCCAAGAGGACTCANAGGGTCGAGAGGAGGATCCTCAAGAGGGCAGATGCCTTTGAAGAGGGGGACCGCCACCAAGA ANNCCCTTTTTGAAATNCAGCTACTTGTTCTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGTTGCACA TCAAGAGGCTTTGCCTTTGTTACGTTTGAAAGCCCTGCAGATGCCAAAGATGCAGCTAGAGAATTGAATGGAAAAGGCACTGGATG ATATGATGGCTATTCGAGCANAGATTATGGCAGTTCCAGGGACTCTAAAAAATTATT

09925899.Sed

ACAAAGACATTGGCACCTTTACTTAGTTTTTTGGTGCTTGAGCAGGGATGGTCGGAACCGCTCTTAGCTTATTAATTCGAGCTGA ATAGTCATGCCTATTATAATCGGTGGATTTTGGGAACTGATTAGTTCCATTAATAATTGGAGCCCCAGATATAGCATTTCCGCGAA CACTATITIGITTGATCAGTATTAATCACAGCTGNACTITTACTTTCTTTCTTTCCTGNCTTAGCCCGCAGGAATCACAATGTTAT ACTTAGCCAGCCCGGAACACTTGGAGATGACCAAATTTATAATGTTATCGTTACAGCACATGCTTTTATTATAATTTTTCTTC TAAATAATATAAGCTTTTGACTTCTTCCCCCATCATTTCTTTTATTACTAGCATCATCTGGGGTTGAAGCAGGAGCCGGAACAGG TTGAACTGTGTACCCGCCTTTAGCTGGAAACCTAGCACATGCTGGAGCATCAGTTGACCTAACAATTTTCTCCCTTCACTTAGCT TGGAAATNCAGCTCTTGTTCTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGTGATTATTCTCAACAAATC TAACAGATCGTAATCTGAATACAACTTTCTTTGACCCTGCC

09925900.Seq

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Q9925901.Seq

AGCTGGGCTTACTGGCAGAGATGAAGGCGCATCGCCAGACTGAAAGTCTTTTGAGAGGTTTGATCAATGAAATTGGAATTTGGAA GCAGACTCAGAGATTGCCTGCATCTGTATGTGGGGCATCTTTGGGGCTATGTATCCCTGCACACCAAGGATGGCTGCACATGAAG CAGGAACAGCTCACATGGGTAGAACAGGCCCAGGCACCAATTTCAGATGCTTTAATCCATCAACTATCTCGCCTACAGCTTGTTG TAGTGATCTTGGGAAGAGAATCCTGGGACCAATGGAGCTGCGACTTACGTCACAATGGTTGACCCCTCTGCGTATCGACAGTAGG GATCAAACAGCAGTAAGGCTCTCAATGATGCTGGATGATCCAAATAACCAAAAAGAGTTATTTCCAAAAATATGAGGCATTGCAGC ACAGTTTGGGCATCTCAGAGAATGCAGCTAAGCTTAGCCCTAGGAACTTTGAGTGGAAAAGAGGGGGGTGCTGAGCTGGATAAATG GGAATGAAGCAGAACAGTGGGATCTACTGAGAATTCCATCCTTGGAGCGGAGGGCCCAGTCGCTAGAATCAGAGGGGGAAACTCT TGAAATNCCGTCTACTTGTTCTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGAGATTGAAAGGATGAGA GCAAGGGGAGCAGCCCTTGTACAGGAGTTGATGGCCCTAAATAACAGGCTCC Q9925902.Seq

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GGGAAATGGAAATATGATCTCAGTTCTCAGNTTTNACAGANACATGNATGTGTAANCAACTGGGCGAATGGGTACTGCATGCAGG GCCCAAANTCCAAGGNCATTGTTATGGATCTAGNTAGAAAACAGGTGGAAAAGNGTGACCGATTGNGTGNNTTNNTTTACTATAA ATGTGGANATTTAGTANCCCGGNCNGTTCTTGTTGATATGGAGCCAAANGTNGTCTCTCAAACNTTATAAATGGCAGGCCGTTNT TTCACAGTAAAACANGNNNTAGNANTNNNANANAAAATGATTNTTNTNACACTGTNCTGCNAANAACGATTNTTCTTGAGGAANA TACNGAATGTNNGTANTTACTGTGCANCTTGGCCAGNGTGGCAACCAGGTTGGCTATGAACTGTTTGATGTCCTNTGNAATGACC TAGGGCGCCCGNTGACNGTNGTGACAGTGTTGTGAAAGCCANAACNNANCGCGTGATTNTATGGAAAAAAATTAAANCACNATTT SAAGATGGAGNTTNCCTGACTTGGCTTGTTAATGATTGTATCTGCGGTTCGTCAGATAACCCCAAAATAACGGATCCATGTTTTAC FTGANNNCCCTTTTTTGAAATCNAGCTACTTGTTCTTTTGCAGGATCCCATCGATTCGĀATTCGTCGACCCCACGCGTCGGTGT CGAGINTIGCINGNNGAACAAGGICIGGCAIIGGGGACNIICAICCNAAGAAIGNIIGCCGGGG

## MAGPIE-PROJECT-xenopus

**GROUP: S10-1** 

STATE: protein dna

-- S10-2 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

### The S10-1 group contains 96 contigs.

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	Description	> heterogeneous nuclear ribonucleoprotein M (HNRNP M) > dupl	> Ribosomal RNA intergenic spacer region	> citrin/Aralar2 (partial) [CD3 CA1 EGON1]	> Achopus E.S.I.	> DIVA topolisomerase 1 (partial) [archemos]	> RNA binding protein (partial) [CDS CATEGORY]	> tousled-like kinase 1 (FL) [CDS CATEGORY]	> histone H3a (partial) [CDS CATEGORY]	> vector > duplicate [CDS CATEGORY]	> Xenopus EST	> Methionine-trna synthetase (partial) [CDS CA1 EGORY]	> udp-n-acetylglucosamine pyrophosphorylase (partial) [CD3	> U2 snrnp-specific A' (FL) [CDS CATEGORT]
West 1987	EC	[col	[A]		ماام	n l u	010	N	<b>%</b>	NO.	NI	<b>\Sigma</b>	ر ا	ØΙ.
1 100 to	Forms EC	$\overline{V} \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$	VFMS		Irro	VEMS		l	mi pamaaaa	VEMS	jamanaman,	$V \underline{F} \underline{M} \underline{S}$	$2\overline{m}$ V $\overline{F}$ M $\underline{S}$
CARC SCHOOLSSALE	Evidence	1p 1d 2m	1d 2m	p 1d 2m	1d 2m	1d 2m	1p 1d 2m 7n 1d 2m	10 1d 2m	2p 1d 2m	3p 1d 2m	1d 2m	1p 1d 2m	lp 1d 2m	1p 1d 2m
	X	6 1	1		16	12	7 -		_	7	5	3	5	2
	AA	241 <u>aa</u>	$\overline{219}$ $\overline{aa}$	$218 \overline{aa}$		$\frac{232 \text{ aa}}{2}$	25.7 aa	238 aa			239 <u>aa</u>	239 <u>aa</u>	239 <u>aa</u>	216 <u>aa</u>
	Z	8		1	26	=	7 -	-  -	•	7	5	4	4	-
•	Bases	26 bp	<u> 38 bp</u>	<u> 36 bp</u>	592 bp	ज्व 869	682 bp	/vs 四/ 717 hn	451 bp	718 bp	718 bp	720 bp	720 bp	4 059
)		S10-1-A1 726 bp	$\overline{\mathrm{S10-1-A10}}$ 658 $\overline{\mathrm{bp}}$	S10-1-A11 656 bp	S10-1-A12 5			S10-1-A4			S10-1-A8	S10-1-A9	S10-1-B1	S10-1-B10 650 bp

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FMS	FMS	FMS				F M S	FMS	FMS	FMS			<u>FMS</u>	FMS	$\overline{FMS}$	$7  \underline{F}  \underline{M}  \underline{S}$	$7  \underline{F}  \underline{M}  \underline{S}$		38		V <u>F M S</u>	V <u>F M S</u>	VEMS	$V \underline{F} \underline{M} \underline{S}$	$\sqrt{F}MS$	$V \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$		VEMS	VFMS
>	2	2	>	>		>	<u> </u>	<u> </u>	2	2	<b>&gt;</b>	<u> </u>						1			_ 1		el	<u> </u>	el		-	اء	el
1p 1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	3p 1d 2m	1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	3p 1d 2m	1d 2m	1p 1d 2m	<u>1p 1d 2m</u>	1d 2m	2p 1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	3p 1d 2m	1d 2m	1p 1d 2m	2p 1d 2m	1d	2p 1d 2m
-	1					42	3	10	7	7	П	3	7	7	7	4	7	4	1	æ	7	9				7	7	7	7
<del></del>	7	2	3	3		<u></u>	<u> </u>	<u> </u>	<u> </u>	<u></u>				<u></u>	(42)		ارها	ख।	ब।	aa	88	<u> </u>	aa	aa	aa	82	aa	aa	aa
aa	aa	aa	aa	aa	aa	aa	aa	2 23	aa	aa	aa	2 <u>aa</u>	2 <u>aa</u>		8 22	4 aa	8 aa	8 22	6 <u>aa</u>				11		156 a	$231\overline{s}$	237 g	238	239
219	212	242	254	236	228	240	234	236	214	231	241	222	222	237	238	224	238	238	236	232	222	256	221	221	H	7	7	7	7
	2			7		51	2	11	2	-	12	3		7	2	5	7	5		2	-	9		2		2	8	-	2
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) bp		8 bp	3 bp	ad 0	7 bp	1 bp		9 p	4 b	5 b	4 p			713 L	716	675	716	1171	709	697	[ 199	770	999	999	471	695	714	716	718
099	639	728	763	710	<b>687</b>	721	704	709	644	695	724	<b>199</b>	899	E	F	9	E	E	K	9	9	1	a: janaana	~	a, jaman	9		1	
S10-1-B11	<u> </u>	S10-1-B2	S10-1-B3	S10-1-B4	S10-1-B5	S10-1-B6	S10-1-B7	S10-1-B8	S10-1-B9	S10-1-C1	S10-1-C10	S10-1-C11	S10-1-C12	S10-1-C2	S10-1-C3	S10-1-C4	S10-1-C5	S10-1-C6	S10-1-C7	S10-1-C8	S10-1-C9	S10-1-D1	S10-1-D10	S10-1-D11	S10-1-D12	S10-1-D2	S10-1-D3	S10-1-D4	S10-1-D5

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#### M A G P I E PROJECT: xenopus GROUP: S10-1

/FMS	/ FMS		Z	VEMS	VEMS	$V \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$		Σl	VFMS	VEMS	VEMS	VEMS	VEMS	Σl	Σl	V <u>FMS</u>	VEMS		VFMS	$V \underline{F} \underline{M} \underline{S}$	ΣI	Σl	$V \underline{F} \underline{M} \underline{S}$				
1p 1d 2m	1d 2m \	1d 2m \	1d 2m	1d 2m	1p 1d 2m	1d 2m	3p 1d 2m	1d 2m	1p 1d 2m	1d 2m	1d 2m	2p 1d 2m	1d 2m	1d 2m	3p 1d 2m	3p 1d 2m	1p 1d 2m	3p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1d 2m	1d 2m	<u>1p 1d</u>	3p 1d 2m	2p 1d 2m
	2	3	2	3	65	7	7	-	2	117	3	2	9	2	5	2		5	2	П	7	4	2	139	7	4	7	
238 <u>aa</u>	235 <u>aa</u>	236 <u>aa</u>	221 <u>aa</u>	240 <u>aa</u>	239 <u>aa</u>	221 <u>aa</u>	220 <u>aa</u>	190 <u>aa</u>	238 <u>aa</u>	244 <u>aa</u>	239 <u>aa</u>	238 <u>aa</u>	236 <u>aa</u>	236 <u>aa</u>	238 <u>aa</u>	$\overline{239}$ aa	223 <u>aa</u>	212 <u>aa</u>	213 <u>aa</u>	240 <u>aa</u>	238 <u>aa</u>	235 <u>aa</u>	238 <u>aa</u>	266 <u>aa</u>	234 <u>aa</u>	$234\overline{aa}$	217 <u>aa</u>	239 <u>aa</u>
3	2	3	7	2	107	1			7	168	3	-	5	-	4	3		5	2	П	7	3	-	192	3	4	7	
717 bp	707 bp	710 bp	<u>aq 599</u>	721 bp	720 bp	664 bp	661 bp	571 bp	717 bp	734 bp	718 bp	716 bp	710 bp	709 bp	716 bp	720 bp	<b>672</b> bp	638 bp	641 bp	723 bp	715 bp	707 bp	716 bp	801 bp	705 bp	705 bp	653 bp	720 bp
S10-1-D6	S10-1-D7	S10-1-D8	S10-1-D9	S10-1-E1	S10-1-E10	S10-1-E11	S10-1-E12	S10-1-E2	S10-1-E3	S10-1-E4	S10-1-E5	S10-1-E6	S10-1-E7	S10-1-E8	S10-1-E9	S10-1-F1	S10-1-F10	S10-1-F11	S10-1-F12	S10-1-F2	S10-1-F3	S10-1-F4	S10-1-F5	S10-1-F6	S10-1-F7	S10-1-F8	S10-1-F9	S10-1-G1

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> membrane-associated diazepam binding inhibitor, MA-DBI FL > polyubiquitin (partial) > Duplicate [CDS CATEGORY]	> leucine-rich actuic nuclear phosphoprocae (***) = -r > beta-catenin (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > MO25 FL [CDS CATEGORY]	> ornithine decarboxylase (ODC) (FL) > Duplicate [CDS CATEG > XFG 5-1/ XFG 5-2 > Duplicate [CDS CATEGORY]	> Protein phosphatase 2 FL [Protein modification] > Xenopus EST [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > Putative kinase (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> Ran binding protein 11 (partial) [CDS CATEGORY]	> BCL2/adenovirus E1D 17 normal activity from 5   Syxin Lim Domain protein (partial) [CDS CATEGORY]	> Possible hydrolase (partial) [CDS CATEGORY] > Venous FST [CDS CATEGORY]	> heterogeneous nuclear ribonucleoproteins A2/B1 (FL) > Dupl > Xenopus EST [CDS CATEGORY] > secreted xWnt8 inhibitor sizzled (FL) [CDS CATEGORY]	
10   223 aa   10   1p 1d 2m   V F M	S10-1-G12 718 bp 1 239 aa 1 1p 1d 2m V F M S $S10-1-G2$ 721 bp 5 240 aa 4 1p 1d 2m V F M S	S10-1-G3         518 bp         3         172 aa         3         3p 1d 2m         V F M S           S10-1-G4         762 bp         5         253 aa         4         2p 1d 2m         V F M S	232 aa 1	707 bp 3 235 aa 4 2p 1d 2m	698 <u>bp</u> 9 252 <u>aa</u> 7 <u>10 2m</u> 7 677 <u>bp</u> 2 225 <u>aa</u> 2 1d 2m V	3 219 aa 4 39 14 2m V	111 <u>aa</u> 1 <u>1d 2m</u> V 224 <u>aa</u> <u>1p 1d 2m</u> V	722 bp         28         240 aa         22         1p 1d 2m         V F M           714 bp         4         237 aa         3         1p 1d 2m         V F M	769 bp   3   256 aa   3   1p 1d 2m   V E M	355 bp 764 bp 23 718 bp 4	m7 nr dT

DS CATEG

Created on Mon Jul 10 08:50:36 EDT 2000

Questions and comments about xenopus are welcome! Send to asczyrba@genomes.rockefeller.edu

Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

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### MAGPIE-PROJECT-xenopus

**GROUP: S10-2** 

STATE: protein dna

<<u>S10-1</u> -- <u>S10-3</u> > <u>Mon Jul 10 08:50</u>:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

The S10-2 group contains 96 contigs.

Re					4	·····i( ····	·····i[	ا ا			·····(
<u> </u>	> glycerol-3-phosphate dehydrogenase > Duplicate [CDS CATEG	> xenopus ES1 > C elegans ZK546.13 gene product [CDS CATEGORY]	> sialoglycoprotein (partial) [CDS CATEGORY]	> Xenopus ES1 > SWI/SNF related (partial) [CDS CATEGORY]	> Predicted FL [CDS CATEGORY]	> geminin H (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > Y BOX binding protein-1 (FL) [CDS CATEGORY]	> myotubularin 1 (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> pituitary tumor-transforming 1 (r.t.) [CDS CALLES CALL
Forms EC	VFMS	V F M S	V <u>FMS</u>	VEMS VFMS	VFMS	2m V E M S	d 2m V F M S	12m VFMS	VFMS	$\overline{\text{d 2m}} \overline{\text{V F M S}}$	d 2m V F M S
* Water Committee Committe	Δ	<u>&gt;  &gt;</u>	Λ			Δ	<u>1</u> V	<u> </u>		1 V	<u> </u>
X Evidence	1p 1d 2m	1d 2m 2p 1d 2m	3p 1d 2m	1d 2m 1n 1d 2m		1p 1d 2m		3p 1d 2m 1n 1d 2m	2p 1d 2m	3p 1d 2n	2p 1d 2n
×		4 4		16	-	2	3	1	2 2	2	2
AA	218 <u>aa</u>	228 <u>aa</u> 226 aa		97 <u>aa</u> 218 aa	240 aa	232 <u>aa</u>	220 <u>aa</u>	230 <u>aa</u>		219 <u>aa</u>	230 <u>aa</u>
Z	1	3	4	33	7	2	3	1	2 0	-	
Bases	655 Бр	686 bp 681 hn	681 bp	294 bp	723 bp	<u>aq 669</u>	661 bp	693 bp	dq 689 तत्त	<u>aq 659</u>	691 bp
a	S10-2-A1 655 bp	S10-2-A10 686 bp	S10-2-A12 681 bp	S10-2-A2	S10-2-A4	S10-2-A5	S10-2-A6 661 bp	S10-2-A7	S10-2-Ao (53 EP) S10-2-A9 (89 bp)	S10-2-B1	S10-2-B10 691 bp

×	X <	> P	X \	<b>∠</b> P	× _	<b>∀</b>	δ <b>0</b>	> R	<b>^</b>	<b>X</b>	χ Λ	٨	٨	٨	\ \ !	۸ ه	^	٨	^	$\lambda$	<u> </u>	<u></u>	7	Λ	^	۸	۸	٨	Λ
<b>S</b>	S)	(N)	S)	<b>W</b>	S)	ωI	<b>⊘</b> Ι	<b>(2)</b>	ωI	S)	ΩI	ωl	ωİ	Ω!	∞!	S.	<u>s</u> ]	w]	S	S	SI	S	IS	IS	<u>T</u> S	M S	S W	Z Z	S W
/ F M	$/ \underline{F} \underline{M}$	$\overline{\mathbf{F}}\mathbf{M}$		V.F.M	V F M	V F M	V F M	VFM	VEM	V = M	$\sqrt{\mathrm{F}}$ M		$V \underline{F} \underline{M}$	VFM	V = M	VFM	$V \underline{F} \underline{M}$	$V \underline{F} \underline{M}$	VFM	V = M		V = M	$V \underline{F} \underline{M}$	VFM		VF			VE
1 2m V	1d 2m	1d 2m	1d 2m	1d 2m	1d 2m	1 2m	12m	1d 2m	1d 2m	1d 2m	1d 2m	1d 2m	1d	1d 2m	3p 1d 2m	1d 2m	<u>1d 2m</u>	1d 2m	<u>1d 2m</u>	1d 2m	1d 2m	<u>1d 2m</u>	1d 2m	1d 2m	1d 2m	1d 2m	1d 2m	1d 2m	1d 2m
1d	1	<u>1p 1d</u>		3p 1c		1p 1d 2m	1p 1d	1p 16	3p 10						<u>3p 1</u>	1p.1			2p 1		1p.1	3p 1	<u>1</u>	2p 1	3p.		<u>[1</u>	<u>2</u> p	<u>च</u>
ω.	129	5	1	1	7	-	7	4	6	9	2	3	-	3	5	9	19	31	9	3		2		4	S	3		3	2
222 <u>aa</u>	65 <u>aa</u>	208 <u>aa</u>	217 <u>aa</u>	218 <u>aa</u>	130 aa	232 aa	230 <u>aa</u>	222 <u>aa</u>	240 <u>aa</u>	224 <u>aa</u>	$230 \overline{aa}$	227 <u>aa</u>	226 <u>aa</u>	223 aa	223 aa	222 <u>aa</u>	256 <u>aa</u>	$230 \overline{aa}$	252 aa	229 <u>aa</u>	230 <u>aa</u>	223 <u>aa</u>	230 <u>aa</u>	209 aa	222 <u>aa</u>	<u>223 aa</u>	217 <u>aa</u>	217 <u>aa</u>	233 <u>aa</u>
3	68 265	4 2	<u> </u>	1		16.4	2	4	6	5	2	7		n	4	8	32	34	13	4	2	П	***************************************	5	4	3	ــــاـ	7	2
qq		L	ब	目目	qq	[a]	q	a	व	व	व	व	व	pp	व	되	व	d d	aq	व्यव 689	क्	वि	dq.	वि	<u>dq</u> 899	670 bp	652 bp	र कि	वि 0
[299]	798 bp	625	652	655	391	697	692	<u>668 bp</u>	721	673	692	683 bp	089	670 bp	<u>670 bp</u>	ज्व 699	771	692	757	689	692	67.1	169	630	w. Marian	1/9	(65)	652	700
S10-2-B11	S10-2-B12	S10-2-B2	S10-2-B3 (	S10-2-B4	S10-2-B5	S10-2-B6	S10-2-B7	S10-2-B8	S10-2-B9	S10-2-C1	S10-2-C10	S10-2-C11	S10-2-C12	S10-2-C2	S10-2-C3	S10-2-C4	S10-2-C5	S10-2-C6	S10-2-C7	S10-2-C8	S10-2-C9	S10-2-D1	S10-2-D10	S10-2-D11	S10-2-D12	S10-2-D2	S10-2-D3	S10-2-D4	S10-2-D5

Xenopus EST [CDS CATEGORY]  Xenopus EST  Putative helicase (partial) [CDS CATEGORY]  Putative nexin [CDS CATEGORY]  Putative nexin [CDS CATEGORY]  Fatvg (partial) [CDS CATEGORY]  glycosyl transferase (partial) [CDS]  Venopus EST [CDS CATEGORY]  Venopus EST [CDS CATEGORY]  Xenopus EST [CDS CATEGORY]  Xenopus EST [CDS CATEGORY]  Xenopus EST [CDS CATEGORY]  Venopus EST [CDS CATEGOR]   Putative helicase (partial) [CDS CATEGORY]  Xenopus EST [CDS CATEGORY]  - Putative nexin [CDS CATEGORY]  - Sanopus EST [CDS CATEGORY]  - Fatyg (partial) [CDS CATEGORY]  - RING finger protein (partial) [CDS CATEGORY]  - RING finger protein (partial) [CDS CATEGORY]  - Vector > Duplicate [CDS CATEGORY]  - Vector > Duplicate [CDS CATEGORY]  - Xenopus EST  - Xenopus ES	> ODC (FL) > Duplicate [CDS CATEGORY]	MIN S Distribute [CDS CATEGORY]	
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FMS	ŒΙ	/ FMS			/ FMS	$\sqrt{FMS}$	VEMS	VEMS		VEMS	VEMS	$V \underline{F} \underline{M} \underline{S}$	V <u>FMS</u>	VEMS	VEMS		$V \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$		VEMS	$V \underline{F} \underline{M} \underline{S}$	$V \underline{F} \underline{M} \underline{S}$				VEMS	VEMS
1p 1d 2m	1d 2m V	1d 2m	1p 1d 2m \	1d 2m \	1d 2m	1d 2m	2p 1d 2m	1d 2m	2p 1d 2m	1p 1d 2m	1d 2m	3p 1d 2m	1p 1d 2m	1p 1d 2m	2p 1d 2m	3p 1d 2m	3p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	<u>1d 2m_</u>	<u>1p 1d 2m</u>	1p 1d 2m	1p 1d 2m	<u>1p 1d 2m</u>	1d2m	<u>2p 1d 2m</u>	1p 1d 2m
	-	9		7	-	7	14	7	34	-	1	3	1	8	П	-	2	Н	3		46	7	7	9	3	n		∞
229 <u>aa</u>	218 <u>aa</u>	228 <u>aa</u>	230 <u>aa</u>	206 <u>aa</u>	228 <u>aa</u>	226 <u>aa</u>	255 <u>aa</u>	213 <u>aa</u>	156 <u>aa</u>	240 <u>aa</u>	232 <u>aa</u>	233 <u>aa</u>	228 <u>aa</u>	$229 \overline{aa}$	$\overline{229}$ aa	220 <u>aa</u>	224 <u>aa</u>	212 <u>aa</u>	224 <u>aa</u>	215 <u>aa</u>	220 <u>aa</u>	220 <u>aa</u>	249 <u>aa</u>	250 <u>aa</u>	$229 \overline{aa}$	220 <u>aa</u>	228 <u>aa</u>	216 <u>aa</u>
		9			7	-	24	7	51		<b></b>	2	Ç,	10	1		[ -	3	c		99			2	4	2	2	12
<u>aq 889</u>	657 bp	687 bp	691 bp	$620 \; \mathrm{bp}$	dq 989	dq 629	<u>768 bp</u>	640 bp	469 bp	722 bp	698 bp	700 bp	687 bp	र्वेव 889	<u>aq 069</u>	662 bp	674 bр	639 bp	675 bp	648 bp	661 bp	661 bp	748 bp	752 bp	<u>aq 069</u>	661 bp	<u>4 789</u>	649 bp
S10-2-D6	S10-2-D7	S10-2-D8	S10-2-D9	S10-2-E1	S10-2-E10	S10-2-E11	S10-2-E12	S10-2-E2	S10-2-E3	S10-2-E4	S10-2-E5	ĺ	S10-2-E7	S10-2-E8	S10-2-E9	S10-2-F1	S10-2-F10	S10-2-F11	S10-2-F12	S10-2-F2	S10-2-F3	S10-2-F4	S10-2-F5	S10-2-F6	S10-2-F7	S10-2-F8	S10-2-F9	S10-2-G1

· Conserved protein KIAA0007 (partial) [CDS CATEGORY]
· Xenopus EST
[CDS CATEGORY]
· Predicted conserved protein (partial) [CDS CATEGORY]
- Xenopus EST [CDS CATEGORY]
· Xenopus EST [CDS CATEGORY]
- Xenopus EST [CDS CATEGORY]
- conserved nucleolar protein (KKE/D repeat) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
- cytochrome c oxidase subunit I (nFL) > duplicate [CDS CAT
> glycerol-3-phosphate dehydrogenase (FL) > Duplicate [CDS
> Xenopus EST [CDS CATEGORY]
> Xenopus EST > myosin heavy chain homology [CDS CATEGORY]
> translocon-associated Protein, BETA subunit precursor (FL)
> RNA binding protein hnRNP- D/nrp-1b [CDS CATEGORY]
> Conserved protein homology (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Predicted conserved protein (FL) [CDS CATEGORY]
> NADH dehydrogenase subunit 2 (partial) [CDS CATEGORY]
> Xenopus EST
> HEAT shock cognate 71 KD protein (partial) [CDS CATEGORY]
> Xenopus EST
> glutamine synthetase (nFL) [CDS CATEGORY]
> leucine-rich acidic nuclear protein (FL) > Duplicate [CDS
> transcription factor (TFIIIC) alpha chain (partial) [CDS
> granulin precursor (nFL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> MutT similarity [CDS CATEGORY]
> mRNA capping enzyme (FL) > Duplicate [CDS CATEGORY]

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> CREATINE KINASE, B CHAIN [CDS CATEGORY]	> Vector	> Putative Sodium/phosphate transporter (nFL) > Xenopus EST	> ferritin heavy chain 1 (FL) [CDS CATEGORY]	> kiaa0780 protein (partial) [CDS CATEGORY]	> TFIIS elongation factor (FL) > Duplicate [CDS CA1 EGORY]	> All-1 related protein (partial) [CDS CATEGORY]	> Xenopus EST	> Xenopus EST [CDS CATEGORY]	> Xenopus EST	> succinyl-CoA synthetase beta subunit (FL) [CDS CATEGORY]	> XFG 5-1 - XFG 5-2 zinc finger proteins (partial) > Duplica	> Isocitrate dehydrogenase subunit ALPHA (nFL) [CDS CATEGOR	> protein phosphatase 2, regulatory subunit B (FL) [CDS CAT	> topoisomerase-related function protein (FL) [CDS CATEGORY	> g-alpha-q protein - african clawed frog (partial) [CDS CA	> STE20-like kinase 3 (FL) [CDS CATEGORY]	> MAP kinase activated (?) > Duplicate [CDS CATEGORY]	> pyruvate dehydrogenase kinase (FL) [CDS CATEGORY]	> secretory carrier membrane protein 1 (nFL) [CDS CATEGORY]	> rna-binding protein (KH domain) (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> leucine-rich acidic nuclear protein (FL) > Duplicate [CDS
aa   1   1p 1d 2m   $V \to M S$	141	$\overline{aa}$ 5 $\overline{2p}$ 1d 2m $\overline{V \times M S}$		1	7	$\overline{aa}$ 3 $\overline{1p}$ 1d $\overline{2m}$ $\overline{V}$ $\overline{F}$ $\overline{M}$ $\overline{S}$	$\overline{aa} = 6 \overline{1d2m} \overline{V F M S}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	aa 3 3p 1d 2m V F M S	7	3	2	2	$\overline{aa}$ 4 $\overline{1p1d2m}$ $\overline{VFMS}$	П	5	3 1p 1d 2m	5 2p 1d 2m	228 aa 4 1p 1d 2m V F M S	1	229 aa 6 1p 1d 2m V F M S
S10-2-G10  687 bp   1   228 aa	S10-2-G11 826 bp 202 275 aa	S10-2-G12 659 bp 5 219 aa	S10-2-G2 676 bp 1 225 aa	S10-2-G3 676 bp 225 aa	S10-2-G4   664 bp   2   221 aa	S10-2-G5 720 bp 5 239 aa	S10-2-G6 692 bp 6 230 aa	3	S10-2-G8 664 bp 221 aa	S10-2-G9 690 bp 3 229 aa	1	4	2	1	5	S10-2-H3 675 bp 1 224 aa	S10-2-H4 725 bp 5 241 aa	3	659 bp 5	687 bp 4		5

Created on Mon Jul 10 08:50:36 EDT 2000

Questions and comments about xenopus are welcome! Send to asczyrba@genomes.rockefeller.edu

Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

### MAGPIE-PROJECT-xenopus

**GROUP: S10-3** 

STATE: protein\_dna

< S10-2 - S10-4 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

The S10-3 group contains 96 contigs.

(	2 24		i E'
	Description	> Xenopus EST > 18S ribosomal RNA [CDS CATEGORY] > von hippel-lindau binding protein 1 (FL) > xenopus EST > D > von hippel-lindau binding protein 1 (FL) > Duplicate [CDS > small nuclear ribonucleoprotein B' (FL) > Duplicate [CDS > nuclear Y/CCAAT-box binding factor A subunit NF-YA (FL) [ > co-factor nherf protein (partial) > xenopus EST [CDS CATE > kiaa0515 protein (partial) > xenopus EST [CDS CATEGORY] > kiaa0515 protein (partial) [CDS CATEGORY] > heterogeneous nuclear ribonucleoprotein C (FL) [CDS CATEG > Elongation factor 3 (nFL) [CDS CATEGORY] > G2/MITOTIC-SPECIFIC cyclin B1 (FL) > Duplicate [CDS CATEG > Sphere organelles protein 1 (FL) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > transmembrane glycoprotein (nFL) > xenopus EST [CDS CATEG	
	EC		STIC
	Forms EC	2m         V F M S	
STATE OF STA	X Evidence	1d 2m       V F M S         3p 1d 2m       V F M S         1p 1d 2m       V F M S         3p 1d 2m       V F M S         3p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         3p 1d 2m       V F M S         3p 1d 2m       V F M S         1p 1d 2m       V F M S         2p 1d 2m       V F M S         2p 1d 2m       V F M S         1d 2m       V F M S         2p 1d 2m       V F M S          3p 1d 2m       V F M S	THE WILL
-	×	3 3 6 6 1 1 1 1 1 3 2 4 4	<u> ۲</u>
	AA	220 aa 212 aa 212 aa 212 aa 221 aa 221 aa 221 aa 218 aa 21	410 aa
***************************************	Z	3 2 0 3	
	Bases	662 bp (639 bp (639 bp (636 bp (642 bp (658 bp (655 bp (655 bp (655 bp (655 bp (656 bp (656 bp	To 100
*** *** *** *** *** *** *** *** *** **	en L	S10-3-A1       662 bp         S10-3-A10       639 bp         S10-3-A11       639 bp         S10-3-A12       636 bp         S10-3-A2       664 bp         S10-3-A3       642 bp         S10-3-A4       658 bp         S10-3-A5       655 bp         S10-3-A6       655 bp         S10-3-A7       653 bp         S10-3-A8       656 bp         S10-3-A9       656 bp         S10-3-B1       470 bp	019-c-01c

#### DOGING OF CONTROL

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VEMS	VFMS	VEMS	V <u>FMS</u>	VEMS	VEMS	VFMS			VEMS		. 31	. 38	VEMS	VFMS	VEMS	VFMS	VEMS	VEMS				V F M S	VFMS	$V \underline{\underline{F} \underline{M} \underline{\underline{S}}}$	VEMS	VEMS			VFMS
1p 1d 2m	3p 1d 2m	1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1d 2m		3p 1d 2m	1p 1d 2m	3p 1d 2m	1d 2m	1p 1d 2m	1d 2m	1p 1d	1p 1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1p 1d	<u>1d 2m</u>	-	<u>1</u> p		1p 1d 2m	3p 1d	크	1p 1d	1p 1d 2m
199 aa 1	211 <u>aa</u>	209 <u>aa</u> 2	219 <u>aa</u> 2	220 <u>aa</u> 2	219 <u>aa</u> 1	158 <u>aa</u> 6	$233 \overline{aa} 1$	217 <u>aa</u> 1	216 <u>aa</u> 3	237 <u>aa</u> 3	208 <u>aa</u>	211  aa 2	$211 \overline{aa} 1$	$203 \overline{aa}   10$	220 <u>aa</u> 3	221 <u>aa</u>   2	218 <u>aa</u> 4	219 <u>aa</u> 4	219 aa 1	212 <u>aa</u> 2	209 <u>aa</u> 2	$10  \underline{aa}  1$	209 aa 29	221 <u>aa</u> 62	204 <u>aa</u> 1	221 <u>aa</u> 3	220 <u>aa</u> 4	$221 \overline{aa} 4$	220 <u>aa</u> 1
_	7	2 2	1 2	1 2	[C4	1			2	7			_	25	2	2	<u>2</u> 4	2 3	0	1 2	2 2	اما	p 40	p 92	<u> 1</u>	<b>bp</b> 2	<u>bp</u> 3	bp 3	<u>pp</u>
599 bp	636 bp	630 bp	658 bp	662 bp	658 bp	475 bp	702 bp	653 bр	649 bp	713 bp	627 bp	634 bp	636 bp	612 bp	662 bp	664 bp	657 bp	<u>e59</u> pp	वव ६५९	638 bp	630 bp	31 bp	630 bp	<u>aq 599</u>	613 bp	q 599	662 b	664 b	661 b
S10-3-B11   5	S10-3-B12 6	S10-3-B2 6	S10-3-B3 6	S10-3-B4 6	S10-3-B5 6	S10-3-B6 4	S10-3-B7 7	S10-3-B8 (	S10-3-B9 (	S10-3-C1	S10-3-C10	S10-3-C11	S10-3-C12	S10-3-C2	S10-3-C3	S10-3-C4	S10-3-C5	S10-3-C6	S10-3-C7	S10-3-C8	S10-3-C9	S10-3-D1	S10-3-D10	S10-3-D11	S10-3-D12	S10-3-D2	S10-3-D3	S10-3-D4	S10-3-D5

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http://willa.rockefeller.edu/magpie/xenopus/S10-3/S10-3\_home.html

> xrad51	> Xenop	> protein	> G2/MI	> vector	> XICde	> Xenop	> Xenop	> homeo	> Xenop	> splicin	> xenop	> xbr-1b	> cyclin	> chrom	> Xenop	> aspart	> hnrnp	> nucle	> STE2(	> C eleg	> Arg/S	> histon	> Huma	> trans(	> ribose	> xIRF-	> Xeno	\_     
MS		Σl	ΣI		M S	M S	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	FMS	<u>FMS</u>	DING
2m VF	1d 2m V F	$\frac{2m}{}$ $V$	2m V	2m   V F	12m V E	1d 2m V F	Δ	>	1d 2m V F	Λ	1d 2m V	<u>&gt;</u>	2m V	<u>&gt;</u>	1d 2m V ]	1d 2m V	$\frac{2m}{\sqrt{V}}$	1p 1d 2m [V]	1d 2m V	2p 1d 2m V	1d 2m V	2p 1d 2m V	1d 2m V	1d 2m V	1d 2m V	1d 2m V	1d 2m V	77
1 1p 1d	13 1	2 1p 1d	3 1p 1d	9 3p 1d	2 1p 1d	7410	931	2 1p	10	2 1p 1d 2m		<u>1</u> 1	2 1p 1d	2 <u>2</u> p		3 IP	3 1p 1d	-	1 Ip	4	2 IP	3	1 IP	<u> 1</u> 교		2 IP		-
219 aa	216 <u>aa</u>	218 <u>aa</u>	215 <u>aa</u>	239 <u>aa</u>	$202 \overline{aa}$	4 249 <u>aa</u>	7 250 <u>aa</u>	221 <u>aa</u>	221 <u>aa</u>	$219 \overline{aa}$	218 aa	220 <u>aa</u>	213 <u>aa</u>	216 <u>aa</u>	120 <u>aa</u>	222 aa	208 <u>aa</u>	203 <u>aa</u>	$211 \frac{aa}{a}$	210 <u>aa</u>	221 <u>aa</u>	221 <u>aa</u>	216 <u>aa</u>	219 aa	219 aa	2 219 <u>aa</u>	185 <u>aa</u>	
658 bp	650 bp 1	<b>655 bp</b> 2	<b>647</b> bp 2	720 bp 11	609 bp 2	<b>750 bp</b> 104	751 bp 127	<b>664 bp</b> 2	<b>665</b> bp 10	658 bp 1	657 bp 1	663 bp 1	640 bp 1	650 bp 1	361 bp	667 bp 2	625 bp 3	611 bp 1	636 bp 1	<b>632</b> bp 3	<b>665</b> bp 2	664 bp 3	651 bp	659 bp	<u>4889</u>	. L	558 bp	L
S10-3-D6 6		S10-3-D8 6	S10-3-D9 (	S10-3-E1 7	S10-3-E10 (	S10-3-E11	S10-3-E12	S10-3-E2	S10-3-E3	S10-3-E4	S10-3-E5	S10-3-E6	S10-3-E7	S10-3-E8	S10-3-E9	S10-3-F1	S10-3-F10	S10-3-F11	S10-3-F12	S10-3-F2	S10-3-F3	S10-3-F4	S10-3-F5	S10-3-F6	S10-3-F7	S10-3-F8	S10-3-F9	Control of control of the control of

xrad51 (FL) [CDS CATEGORY]
Xenopus EST [CDS CATEGORY]
protein phosphatase 2C beta (FL) > Duplicate [CDS CATEGOR
G2/MITOTIC-SPECIFIC cyclin B2 (FL) > Duplicate [CDS CATEG
vector > Duplicate [CDS CATEGORY]
XICde1 (FL) [CDS CATEGORY]
Xenopus EST
· Xenopus EST
· homeobox transcription factor iriquois 3 (FL) [CDS CATEGO
· Xenopus EST [CDS CATEGORY]
· splicing factor, arginine/serine-rich 7 (FL) [CDS CATEGOR
<ul><li>xenopus EST &gt; Duplicate [CDS CATEGORY]</li></ul>
- xbr-1b/Vox-1 (FL) [CDS CATEGORY]
- cyclin ania-6a (partial) [CDS CATEGORY]
- chromodomain helicase DNA binding protein 3 (partial) [CD
> Xenopus EST [CDS CATEGORY]
<ul><li>aspartate AMINOTRANSFERASE (FL) [CDS CATEGORY]</li></ul>
- hnrnp A1 (FL) > Duplicate [CDS CATEGORY]
> nucleoporin p54 (FL) > Xenopus EST [CDS CATEGORY]
> STE20/KIAA1264 protein kinase > Xenopus EST   CDS CATEGORY
> C elegans [CDS CATEGORY]
> Arg/Ser-rich 6 splicing factor 6 (partial) [CDS CATEGORY]
> histone stem-loop binding protein (FL) [CDS CATEGORY]
> Human orf hspc017 (partial) > Xenopus EST [CDS CATEGORY]
> transcription EF ELL gene (FL) > xenopus EST > Duplicate
> ribosomal protein S6 > Xenopus EST [CDS CATEGORY]
> xIRF-6 (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> CGI-23 protein (partial) [CDS CATEGORY]

> Xenopus EST [CDS CATEGORY]	> Xenopus EST   CDS CATEGORY   > ribonucleoside-diphosphate reductase (FL) > Xenopus EST	> Ankryin like protein [CDS CATEGORY]	> COP9 complex subunit 3 (FL) [CDS CATEGORY]	> fibrillarin (nFL) [CDS CATEGORY]	> DNA topoisomerase II (partial) [CDS CATEGORY]	> hnrnp G (FL) > xenopus EST > Duplicate [CDS CATEGORY]	> Ser/Thr phosphatase pp2a-4 (FL) > Duplicate [CDS CALEGORY	> Xenopus EST [CDS CATEGORY]	> Stromal antigen 2 SA-2 (partial) [CDS CATEGORY]	> xenopus EST > Ribosomal RNA [CDS CATEGORY]	> Rac/Rho cdc42 (FL) > Duplicate [CDS CATEGORY]	> G2/Mitotic specific cyclin B (FL) > xenopus EST > Duplicat	> p24 delta1 putative cargo receptor (nFL) > Duplicate [CDS	> xenopus EST > Duplicate [CDS CATEGORY]	> kiaa0290 cdc15 gas-7 (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> Xenopus EST	> EMK/Mark 2 protein kinase [CDS CATEGORY]	> eps8 binding protein (FL) [CDS CATEGORY]	> putative progesterone-binding protein (FL) > xenopus EST	> MDM-2 c (partial) [CDS CATEGORY]	
S10-3-G10  603 Dp  2 $ 200 aa  2$ $ 1d 2m V = M =  S $	S10-3-G11 643 bp 23 214 aa 20 1d 2m V F M S	221 aa   3   2p ru 2m	628 bp 1 209 aa 2 2p 1d 2m	662 bp 2 220 aa 3	658 bp 1 219 aa 2	660 bp 2 219 aa 2	654 bp 2 217 aa 2	——————————————————————————————————————	645 km 214 ss [In 1d 2m]	043 <u>DP</u>	10 220 ag 10 10 10 10 V	041 <u>UP</u>	206 as 1 20 10 2m V m2 lt n 10 2m	2 021 <u>DP</u>	$\frac{10}{210} = \frac{10}{20} = \frac{10}{10} = 1$	710 hn 736 ag 1 1d 2m V	7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(55) DP 1 210 m 1 1 20 m 1 (550 km 1 710 ss 7 1 ln 1d 2m V	657 bp 1 217 au 2 19 12 1 1 1 1 2 m	1 2n 1d 2m V	645 bn 214 aa 10 1d 2m	1045 <u>217 444 444 444 444 444 444 444 444 444 4</u>

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Questions and comments about xenopus are welcome! Send to asczyrba@genomes.rockefeller.edu

Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

## MAGPIE-PROJECT-xenopus

**GROUP: S10-4** 

STATE: protein dna

< S10-3 -- S10-5 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

### The S10-4 group contains 96 contigs.

Oth Rep	
Description	> Xenopus EST [CDS CATEGORY] > Human orf (FL) [CDS CATEGORY] > purinergic receptor (partial) [CDS CATEGORY] > hmg-1 (partial) > xenopus EST > duplicate [CDS CATEGORY] > polya binding protein (partial) [CDS CATEGORY] > 40S ribosomal protein S4 (nFL) > Duplicate [CDS CATEGORY] > small nuclear ribonucleoprotein B' (FL) > Duplicate [CDS > Translation initiation factor Eif1 (FL) [CDS CATEGORY] > holocytochrome c synthetase (nFL) > xenopus EST [CDS CATEGORY] > Asrna-binding protein 4F.1 (FL) > xenopus EST > duplicate > xAN11 wd-repeat protein (FL) [CDS CATEGORY] > Xenopus EST > MRP atpase (nFL) > xenopus EST
EC	
Forms EC	2m         V F M S
Evidence	1d 2m   V F M S   1p 1d 2m   V F M S
×	3 3 3 1 1 2 3 1 1 2 3 3 3 3 3 3 3 3 3 3
AA	205 aa
Z	2 3 3 3 2 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Bases	616 bp 690 bp 682 bp 638 bp 633 bp 633 bp 747 bp 646 bp 694 bp 694 bp
А	S10-4-A1       616 bp         S10-4-A10       690 bp         S10-4-A11       682 bp         S10-4-A12       688 bp         S10-4-A2       636 bp         S10-4-A3       600 bp         S10-4-A4       633 bp         S10-4-A5       701 bp         S10-4-A6       686 bp         S10-4-A7       747 bp         S10-4-A9       694 bp         S10-4-B1       563 bp         S10-4-B1       563 bp

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									·		······································	··········				[- <b>-</b> 1]	l-a li	1.61	1501	[7 <b>0</b> ]	<b>70</b> 1	701	701	701	701	(A)	(A)	ار <sub>م</sub>	ر ا
MS	M S	$\overline{S}$	$\overline{S}$ $\overline{M}$	$\overline{S}$	N S	S W	W S	FMS	N S	S W		S W	S W	M S M	S Z	MS	M	Σ	Z Z	M		ΣI	X		1 1	W			W
V F		9	VF.		V.F	V F M	VF	V.F	V F	V F	VF	VF	VF	V. F	VF	V F	VF	$V\overline{\mathrm{F}}$	VF	VF	VF	VF	VF	VF	VF	VF	VE	VĒ	VF
2m	2m	вl	2m	E	$\frac{2m}{}$	B	티	al	2m	m/		2m	ш	2m_	Ħ	2m_	m2	1d 2m	Zm/	2m	1d 2m	1d 2m	1d 2m	2m		2m	2m	$\frac{2m}{}$	2m
1d 2	1d 2	1d 2m	1d 2	1d 2m	1d 2	1d 2m	1d 2m	1d 2m	1d.)	1d 2m	1d	1d 2	1d 2m	1q	1d 2m	1d	1d 2m	1d		8 T L	1q	1d	1d	1d	19	<u>1</u> q	1d	1 <u>d</u>	1q
3		<u>1</u> p	<u>1</u>	<u>2</u> p	<u>2</u> p		<u>2</u> p	15				15	4	1	<u>1</u>	<u>대</u>	11		日日	H						디	<u>2</u>	<u>대</u>	<u>2</u>
4	6	3	1		5	П	-	9	17	9	7	2	42	-			9	2	4	3		7	9	13	2	Η.			7
aa	<u>aa</u>	aa —	aa	aa	aa	aa	aa	aa	aa	g	aa	aa	aa	aa	aa	aa	aa	t aa	e aa	0 aa	0 <u>aa</u>	4 aa	1 22	0 aa	8 <u>aa</u>	3 aa	$0 \overline{aa}$	0 aa	8 <u>aa</u>
229	239	215	210	206	234	233	231	230	231	214	111	229	229	213	209	194	229	234	226	230	230	214	231	230	128	213	210	210	228
$\omega$	6	2			5	7	I	9	40	7	3	7	46				9	9	5	5	_		7	14		-		L	
q	呂	固	ф	日日	日日	a	g	व	目	व	ם	回	百百	þ	d d	bp	pp	bp	q	<u>pp</u>	Pp.	643 bp	696 bp	693 bp	386 bp	व	ु कि	द्वव	व् व
689	720 bp	949	631	619	703	702 bp	व्व ९६९	693	695	645	334	व्व 689	889	642	630	584	069	704 bp	089	693	169	643	969	693	386	642	632	632	989
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S10-4-B11	4-B	4-B	4-B	4-B	S10-4-B5	S10-4-B6	S10-4-B7	S10-4-B8	S10-4-B9	S10-4-C1	S10-4-C10	S10-4-C11	S10-4-C12	S10-4-C2	S10-4-C3	S10-4-C4	S10-4-C5	S10-4-C6	S10-4-C7	S10-4-C8	S10-4-C9	S10-4-D1	S10-4-D10	S10-4-D11	S10-4-D12	S10-4-D2	S10-4-D3	S10-4-D4	S10-4-D5
S10	S10-4-B12	S10-4-B2	S10-4-B3	S10-4-B4	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S10	S1(	S1(	SI	SI	SI	S1(	SI	S	SI

<ul><li>Xenopus EST &gt; Yeast/elegans hypothetical (FL) [CDS CATEGO</li></ul>
> Xenopus EST [CDS CATEGORY]
S of String Different String Protein 41.1 (F.L.) - Achieved Edit (FL.) > xenopus EST [CDS CATEGORY]
> genethonin 1 (FL) > Duplicate (partial) [CDS CATEGORY]
> glucose/oxygen regulated protein (partial) [CDS CATEGORY]
- xenopus EST > Duplicate [CDS CATEGORY]
> Fused toes/ Fif protein (FL) [CDS CATEGORY]
> hsp-90 (FL) > xenopus EST > Duplicate [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> Xenopus EST
> dolichyl-phosphate beta-glucosyltransferase (partial) [CD
> rna-binding protein xlhnrnpl (FL) [CDS CATEGORY]
> xGATA-4 (FL) [CDS CATEGORY]
> MCT-3 (partial) [CDS CATEGORY]
> dmr-n9 protein (partial) [CDS CATEGORY]
> claudin-6 (FL) > duplicate [CDS CATEGORY]
> Xenopus EST
> guanine nucleotide-binding protein G(I), alpha-1 subunit (
> Hyaluronidase (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> xenopus EST > Duplicate [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> protein arginine n-methyltransferase 1 (FL) [CDS CATEGORY
> met-10+ protein (nFL) > xenopus EST [CDS CATEGORY]
> gt334 protein (partial) [CDS CATEGORY]
> beta-amyloid precursor protein (FL) [CDS CATEGORY]

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elongation fa	> Xenopus ES	> Xenopus ES	xenopus ES	tetratricope	progesteron			- histone binc	> Xenopus Ex	> xRanbp1 (F	> Mitochond	> ankyrin (br	> Xenopus E	> Xenopus E	> Ca2+-trans	> Xenopus E	> vector > Di	> procollage	> Xenopus E	> Xenopus E	> Xenopus E	> signal reco	> procollage	> BAT4 (FL	> hsp-90 (FI	> xenopus r	> Xenopus I	> Xenopus 1
\$	S)	M S	FMS		FMS >	FMS >	FMS >	<b>ω</b> ∏	Z N	N S	FMS	Z N	Z     X	/ FMS	Σl	VEMS	Σl	Σl	ا⊠	ΣI	ΣI	ΣI	Σl	$\overline{V} \underline{F} \underline{M} \underline{S}$		ا⊠	F	VEMS
1p 1d 2m_ V	1d 2m V	3p 1d 2m V	3p 1d 2m V	1p 1d 2m V	1p 1d 2m V	1d 2m V	1p 1d 2m V	2p 1d 2m  V	1d 2m V	1p 1d 2m V	1d 2m V	3p 1d 2m \	1d 2m \	1d 2m \	2p 1d 2m		3p 1d 2m	3p 1d 2m	1d 2m	1d 2m	$\overline{1d2m}$	<u>1p 1d 2m</u>	3p 1d 2m	2p 1d 2m	1p 1d 2m	1d 2m	$\overline{\frac{1d 2m}{}}$	3p 1d 2m
6 1	2	3 3		ω 	5	l i	17	10	7	,	3	5	1	5	H	16	4	3	-	1	-	13		4	3	2		29
234 <u>aa</u>	221 aa	$231 \frac{aa}{a}$	230 <u>aa</u>	214 <u>aa</u>	231 <u>aa</u>	217 <u>aa</u>	232 aa	213 <u>aa</u>	210 aa	210 <u>aa</u>	233 <u>aa</u>	234 <u>aa</u>	229 aa	229 <u>aa</u>	230 <u>aa</u>	216 <u>aa</u>	237 <u>aa</u>	229 <u>aa</u>	152 <u>aa</u>	49 <u>aa</u>	202 <u>aa</u>	146 <u>aa</u>	229 <u>aa</u>	233 aa	231 <u>aa</u>	<u>231 aa</u>	$230 \overline{aa}$	215 aa
5 2	2 2	4 2	1 2	3 2	6   2	1 2	19   2	10			4	4	-	5		19	4	3				21		3	2		7	31
703 <u>bp</u>	<u> </u>	7 dq 269	692 <u>bp</u>	644 bp	<u>dq 969</u>	654 bp	[ ] dq 669	642 bp	631 bр	633 bp	702 bp	703 bp	<u>49069</u>	dq 889	691 bp	649 bp	714 bp	dq 689	457 bp	148 bp	<u>dq 809</u>	439 bp	<u>aq 689</u>	701 bp	694 bp	694 bp	691 bp	647 bp
S10-4-D6 7	S10-4-D7 6	S10-4-D8 6	S10-4-D9 6	S10-4-E1 6	S10-4-E10 6	S10-4-E11 6	S10-4-E12 (	S10-4-E2 (	S10-4-E3	S10-4-E4	S10-4-E5	S10-4-E6	S10-4-E7	S10-4-E8	S10-4-E9	S10-4-F1	S10-4-F10	S10-4-F11	S10-4-F12	S10-4-F2	S10-4-F3	S10-4-F4	S10-4-F5	S10-4-F6	S10-4-F7	S10-4-F8	S10-4-F9	S10-4-G1

> elongation factor 1 gamma (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST (partial) [CDS CATEGORY]
> xenopus EST > Duplicate [CDS CATEGORY]
> tetratricopeptide repeat domain 4 (FL) [CDS CATEGORY]
> progesterone membrane binding protein (partial) > xenopus
> Xenopus EST [CDS CATEGORY]
> alpha-2 tubulin (FL) [CDS CATEGORY]
> histone binding N1/N2 (FL) > duplicate [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> xRanbp1 (FL) [CDS CATEGORY]
> Mitochondrial > Similar [CDS CATEGORY]
> ankyrin (brank-2) like (partial) [CDS CATEGORY]
> Xenopus EST
> Xenopus EST [CDS CATEGORY]
> Ca2+-transporting atpase (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> vector > Duplicate [CDS CATEGORY]
> procollagen/acetyltransferase similarity > Duplicate [CDS
> Xenopus EST [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> signal recognition particle SRP-9 (FL) [CDS CATEGORY]
> procollagen/acetyltransferase similarity > Duplicate [CDS
> BAT4 (FL) [CDS CATEGORY]
ATEGORY
> xenopus repetative element > xenopus EST > duplicate [CDS
> Xenopus EST
> Xenopus EST > RPB-25 (FL) [CDS CATEGORY]

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> calumenin (FL) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > tfiid 18K subunit TAF (nFL) > xenopus EST [CDS CATEGORY] > RRM RNA binding protein gry-rbp (FL) > Duplicate [CDS CATEGORY] > xNopp180 nucleolar phosphoprotein (nFL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Ca2+/calmodulin-dependent protein kinase II gamma-c (parti > peptidylprolyl isomerase D (cyclophilin D) (FL) [CDS CATE	> zinc finger protein (FL) [CDS CATEGORT] > p24 delta1 putative cargo receptor (partial) > Duplicate > Xenopus EST [CDS CATEGORY] > cold-inducible rna-binding protein (partial) > Duplicate > Xenopus EST [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > HMG-2 (HMG-2) (partial) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > CGI-66 (partial) [CDS CATEGORY]	> xenopus EST > repetative element [CDS CATEGORY] > exostosis 2 (partial) > Duplicate [CDS CATEGORY] > cdc23 (FL) [CDS CATEGORY] > RAC-2/RhoG > Duplicate [CDS CATEGORY]
S10-4-G10       691       bp       3       230       aa       4       1p 1d 2m       V F M S         S10-4-G11       734       bp       47       244       aa       39       1d 2m       V F M S         S10-4-G12       671       bp       35       223       aa       28       1p 1d 2m       V F M S         S10-4-G2       625       bp       208       aa       1       1p 1d 2m       V F M S         S10-4-G3       639       bp       212       aa       1d 2m       V F M S	2     239 aa     2     1d 2m       3     233 aa     4     1d 2m       2     213 aa     3     1p 1d 2m       1     231 aa     1p 1d 2m	S10-4-G8       677 bp       1       225 aa       2       1p 1d 2m       V F M S         S10-4-G9       691 bp       4       230 aa       4       2p 1d 2m       V F M S         S10-4-H1       708 bp       404       235 aa       149       1d 2m       V F M S         S10-4-H10       673 bp       2       224 aa       2       1p 1d 2m       V F M S         S10-4-H10       673 bp       4       230 aa       4       1d 2m       V F M S	2 213 aa 2 1p 1d 2m 211 aa 1 3p 1d 2m 211 aa 1 1p 1d 2m 211 aa 1 1p 1d 2m	S10-4-H5       696 bp       4       231 aa       3       3p 1d 2m       V E M S         S10-4-H6       684 bp       4       227 aa       4       1d 2m       V E M S         S10-4-H7       692 bp       1       230 aa       2       2p 1d 2m       V E M S         S10-4-H8       653 bp       5       217 aa       5       1p 1d 2m       V E M S         S10-4-H9       667 bp       4       222 aa       4       1p 1d 2m       V E M S

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Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

1 of 5

## MAGPIE-PROJECT-xenopus

**GROUP: S10-5** 

STATE: protein\_dna

< S10-4 -- S10-6 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

The S10-5 group contains 96 contigs.

[ ]	Oth Rep		H.
	Description	> ODC (partial) > duplicate [CDS CATEGORY] > Ribonuclease H1 (FL) > empty description [CDS CATEGORY] > HSP-70 (FL) [CDS CATEGORY] > Inner Centromer Protein (FL) [CDS CATEGORY] > Potassium channel ORF (FL) [CDS CATEGORY] > Rab/c-mel gtp-binding protein (FL) [CDS CATEGORY] > Xenopus EST > Cyt c oxidase subunit I (partial) > Duplicate [CDS CATEGORY] > Cyt c oxidase subunit I (partial) > Duplicate [CDS CATEGORY] > PROTEIN TRANSLATION FACTOR SUII [CDS CATEGORY] > RRM RNA binding protein gry-rbp (FL) > Duplicate [CDS CATEGORY] > H3 histone, H3.3 (FL) > Duplicate [CDS CATEGORY] > Xenopus EST > Cold-inducible rna-binding protein (partial) > duplicate	
	Forms EC	2m         V F M S	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	Evidence	1p 1d 2m         V F M S           2p 1d 2m         V F M S           1p 1d 2m         V F M S           2p 1d 2m         V F M S           2p 1d 2m         V F M S           2p 1d 2m         V F M S           1p 1d 2m         V F M S           1p 1d 2m         V F M S           1p 1d 2m         V F M S           3p 1d 2m         V F M S           3p 1d 2m         V F M S           1p 1d 2m         V F M S	Th 10 7m
	 ×	338 1 1 2 3 3 9 6 4 9 6 7 1 1 8 8 4	- 11
	AA	237 aa 231 aa 227 aa 227 aa 228 aa 238 aa	231 aa
	Z	99 1 10 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Bases	714 bp         99           683 bp         1           683 bp         3           685 bp         3           705 bp         4           717 bp         4           717 bp         4           717 bp         6           691 bp         65           678 bp         1           776 bp         6           678 bp         1           776 bp         7           678 bp         7           678 bp         7           664 bp         7	)   094 <u>U</u>
0.000	a	S10-5-A1       714 bp         S10-5-A10       696 bp         S10-5-A11       683 bp         S10-5-A2       785 bp         S10-5-A2       785 bp         S10-5-A3       705 bp         S10-5-A4       717 bp         S10-5-A6       717 bp         S10-5-A6       717 bp         S10-5-A8       691 bp         S10-5-A8       678 bp         S10-5-A9       678 bp         S10-5-A9       678 bp	SIU-5-BIU 094 DD

MAGPIEPROJECT: xenopus GROUP: S10-5

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4	2		2	2		-	7	9	9	3	2	15	5	9	34	7	2	9	4	9	4	10	7	7	7	5	9	2	5
244 <u>aa</u>	227 <u>aa</u>	245 <u>aa</u>	237 <u>aa</u>	239 <u>aa</u>	237 <u>aa</u>	238 <u>aa</u>	236 <u>aa</u>	225 <u>aa</u>	231 <u>aa</u>	237 <u>aa</u>	222 <u>aa</u>	<u></u>	244 <u>aa</u>	229 <u>aa</u>	241 <u>aa</u>	239 aa	243 <u>aa</u>	244 <u>aa</u>	238 aa	237 <u>aa</u>	245 <u>aa</u>	245 <u>aa</u>	222 <u>aa</u>	222 <u>aa</u>	228 <u>aa</u>	235 <u>aa</u>	241 <u>aa</u>	238 <u>aa</u>	242 <u>aa</u>
4. Z			3 2	2	2	2		9	∞	ω ,		19	7	6	47	∞	5	∞	3	8	4	11	-	7	1	5	7	Н	9
734 bp   4	682 bp	737 bp	712 bp	718 bp	714 bp	717 bp	710 bp	678 bp	<u>qd</u> 569	714 bp	<u>667 bp</u>	<u> </u>	733 bp	dq 069	<u> </u>	720 bp	731 bр	733 bp	715 bp	714 bp	736 bp	737 bp	<u>667 bp</u>	<u>dq</u> 299	685 bp	706 bp	724 bp	715 bp	729 bp
S10-5-B11   7.	S10-5-B12 6	S10-5-B2 7.	S10-5-B3 7	S10-5-B4 7	S10-5-B5 7	S10-5-B6 7	S10-5-B7 7	S10-5-B8 6	S10-5-B9 6	S10-5-C1 7	S10-5-C10 6	S10-5-C11 1	S10-5-C12 7	S10-5-C2 (	S10-5-C3 7	S10-5-C4	S10-5-C5	S10-5-C6	S10-5-C7	S10-5-C8	S10-5-C9	S10-5-D1	S10-5-D10	S10-5-D11	S10-5-D12	S10-5-D2	S10-5-D3	S10-5-D4	S10-5-D5

> tfiis elongation factor (FL) > duplicate [CDS CATEGORY]
> XFD-12 [CDS CATEGORY]
> RING finger protein (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> ubiquinol-cytochrome C reductase [CDS CATEGORY]
> Similar to Ribosomal L14 protein (FL) [CDS CATEGORY]
> G2/Mititic Specific cyclin B1' (FL) [CDS CATEGORY]
> xenopus EST > Duplicate [CDS CATEGORY]
> Flash (FL) [CDS CATEGORY]
> Oct-1 (FL) [CDS CATEGORY]
> kiaa1038 like (partial) > similar to EF1a (partial) [CDS
> xenopus EST > duplicate [CDS CATEGORY]
> Xenopus EST
> ATPase, Cu++ transporting (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> cyclin A1 (FL) [CDS CATEGORY]
> PLX-1 Polo like kinase (partial) [CDS CATEGORY]
> RanBPM centrosomal protein (FL) [CDS CATEGORY]
> Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATE
> BMP-7 (partial) [CDS CATEGORY]
> Cyclin A2 (FL) [CDS CATEGORY]
> t-complex protein 1, epsilon subunit (FL) [CDS CATEGORY]
> Histone deacetylase (partial) [CDS CATEGORY]
> ankyrin repeat G9A (partial) [CDS CATEGORY]
> prolyl 4-hydroxylase (FL) [CDS CATEGORY]
> rab interacting kinesin (partial) [CDS CATEGORY]
> C elegans ORF (FL) > Xenopus EST [CDS CATEGORY]
> Sno notch pathway component (partial) [CDS CATEGORY]
> glutamic acid-rich protein precurser (FL) > Xenopus EST [
> SP3 like (FL) [CDS CATEGORY]

http://willa.rockefeller.edu/magpie/xenopus/S10-5/S10-5\_home.html

> polya b	> Xenop	Ser/Th	> RAB6	> Xenop	> Xenop	> Xenop	> xElr-C	> JNK p	> NifU l	CGI-7	Vecto	Vecto	perox	Xenor	> Xenol	> U1 sn	> Xenol	> Xeno	> Xeno	> Xeno	> CAF-	> BC-2	> splici	> Vecto	> matr	> Xeno	> ferrit	> Xeno
			<b>^</b>	<u>^</u>	<u> </u>	<u> </u>	<b>^</b>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	Λ	Λ <u>)</u>		701	M 1	<u></u>	<u>ν</u>	<u>~</u>	<b>%</b> ]	WII				S)	<b>⊘</b> I	<b>S</b>
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1d 2m V	1d	1p 1d 2m V	1d 2m V	1 <u>d 2m</u> V	1d 2m	1d 2m	1d 2m \	o 1d 2m V	1d 2m	1d 2m	1d 2m	1d 2m	1p 1d 2m	1d 2m	1d 2m	1p 1d 2m	1d 2m	1d 2m	1d 2m	2d 2m	1p 1d 2m	1p 1d 2m	3p 1d 2m	3p 1d 2m	1p 1d 2m	3p 1d 2m	2p 1d 2m	1d 2m
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238 aa		237 <u>aa</u>	225 <u>aa</u>	244 <u>aa</u>	228 <u>aa</u>	276 <u>aa</u>	227 <u>aa</u>	245 <u>aa</u>	240 <u>aa</u>	237 <u>aa</u>	239 <u>aa</u>	239 <u>aa</u>	237 aa	190 aa	231 <u>aa</u>	262 <u>aa</u>	245 <u>aa</u>	$231 \overline{aa}$	227 aa	256 <u>aa</u>	182 <u>aa</u>	244 <u>aa</u>	243 <u>aa</u>	238 <u>aa</u>	238 aa	237 <u>aa</u>	159 <u>aa</u>	244 <u>aa</u>
2 2	-	5	7	3	2	242	9	5	3	1	9	58		П	4	3	4	19	5	105	3	20	2	1	Г	115	П	
717 bp	482 bp	714 bp	<u>676 bp</u>	734 bp	687 bp	829 bp	683 bp	737 bp	722 bp	713 bp	718 bp	718 bp	714 bp	572 bp	694 bp	<u>787 bp</u>	738 bp	694 bp	682 bp	770 bp	549 bp	734 bp	730 bp	715 bp	716 bp	712 bp	480 bp	735 bp
S10-5-D6		S10-5-D8	S10-5-D9 (	S10-5-E1	S10-5-E10	S10-5-E11	S10-5-E12	S10-5-E2	S10-5-E3	S10-5-E4	S10-5-E5	S10-5-E6	S10-5-E7	S10-5-E8	S10-5-E9	S10-5-F1	S10-5-F10	S10-5-F11	S10-5-F12	S10-5-F2	S10-5-F3	S10-5-F4	S10-5-F5	S10-5-F6	S10-5-F7	S10-5-F8	S10-5-F9	S10-5-G1

> polya binding protein 2 (partial) > duplicate [CDS CATEGO
> Xenopus EST [CDS CATEGORY]
> Ser/Thr phosphatase pp2a-4 (FL) > Duplicate [CDS CATEGORY
> RAB6 interacting, kinesin-like (FL) [CDS CATEGORY]
> Xenopus EST > empty description [CDS CATEGORY]
> Xenopus EST > Repetitive Sequence [CDS CATEGORY]
> Xenopus EST
> xElr-C elav-like (FL) [CDS CATEGORY]
> JNK protein kinase (partial) [CDS CATEGORY]
> NifU like (FL) [CDS CATEGORY]
> CGI-73 conserved protein (FL) [CDS CATEGORY]
> Vector > Duplicate [CDS CATEGORY]
> Vector > duplicate [CDS CATEGORY]
> peroxisomal ca-dependent solute carrier (FL) [CDS CATEGOR
> Xenopus EST
> Xenopus EST [CDS CATEGORY]
> U1 snrnp A PROTEIN (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> CAF-1 P55 subunit/ RB binding Prot 7(partial) [CDS CATEGO
> BC-2 [CDS CATEGORY]
> splicing factor > xenopus EST [CDS CATEGORY]
> Vector > Duplicate [CDS CATEGORY]
> matrin 3 (FL) [CDS CATEGORY]
> Xenopus EST > tudor repeat associator with PCTAIRE (partia
> ferritin H (FL) > duplicate [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]

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> EF1-ALPHA (FL) [CDS CATEGORY]	> ATP synthase beta-subunit (FL) > Duplicate [CDS CATEGORY]	> splicing factor (FL) [CDS CATEGORY]	> Xenopus EST	> protein phosphatase 5 (FL) [CDS CATEGORY]	> Xenopus EST	> sec61 alpha subunit (partial) > vector [CDS CATEGORY]	> Xenopus EST	> Xenopus EST [CDS CATEGORY]	> vacuolar sorting protein VPS29 (FL) [CDS CATEGORY]	> Xenopus EST > Fat Facets 3' homology [CDS CATEGORY]	> cdc-6 (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> mapk-activated protein kinase 2 (FL) > Duplicate [CDS CAT	> casein kinase II, alpha' (partial) [CDS CATEGORY]	> Xenopus EST	> cyclin A1 (partial) [CDS CATEGORY]	> cytochrome c oxidase subunit I (M10217) > Vector [CDS CAT	> Aspariginase similarity (nFL) [CDS CATEGORY]	> dihydrolipoamide succinyltransferase (FL) [CDS CATEGORY]	> Xenopus EST	> tripeptidylpeptidase II (nFL) [CDS CATEGORY]	> sorting nexin 1 (partial) [CDS CATEGORY]	
$1p 1d 2m   V \underline{F} \underline{M} \underline{S}$	VFMS	VEMS	VEMS	VEMS	VEMS	VFMS	VFMS	VFMS	VF	VFMS		VFMS	VFMS	VEMS	VEMS	VEMS	VFMS	VFMS		1d 2m V F M S	1p 1d 2m V F M S	2p 1d 2m V F M S	
p 1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1d 2m	2p 1d 2m	1d 2m	1d 2m	1p 1d 2m	3p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	2p 1d 2m	2p 1d 2m	1p 1d 2m	1d 2r	1p 1d 2n	2p 1d 2n	
3	4	8 1	152	6 1	56	$\frac{1}{2}$	8	3		1		4	7	7	1.9	4	21	4	S	120	9	6	***
ga 67	21 aa	223 <u>aa</u>	287 aa	$231 \overline{aa}$	248 aa	240 aa	240 aa		 236 aa				229 aa		194 238 aa					164 271 aa			
2   22	3 221	7 2	15 28	7 2.	:1	11	8 2	3 2	$\frac{1}{2}$	1 2		B	8 2	8 2	194	4	26	5	9	164   2	6   2	∞	
dq 68	65 bp	70 bp	864 bp 215	dq 969	745 bp 74	723 bp	722 bp	701 bp	711 bp	691 bp	778 bp	S10-5-H10 691 bp	S10-5-H11 689 bp	T <b></b>		720 bp	726 bp   26	726 hn	716 bp	815 bp	702 bp	697 bp	Ï
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S10-5-G10  689 bp   2   229 <u>aa  </u>	S10-5-G11 665 bp	S10-5-G12 670 bp	S10-5-G2	S10-5-G3	S10-5-G4	S10-5-G5	S10-5-G6	S10-5-G7	S10-5-G8	S10-5-G9	S10-5-H1	S10-5-	\$10-5	S10-5	S10-5-H2	S10-5-H3	S10-5-H4	C10.5-H5	9H-S-01S	S10-5-H7	S10-5-H8	S10-5-H9	

Created on Mon Jul 10 08:50:36 EDT 2000

Questions and comments about xenopus are welcome! Send to asczyrba@genomes.rockefeller.edu

Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

## MAGPIE-PROJECT-xenopus

**GROUP: S10-6** 

STATE: protein dna

< S10-5 -- S10-7 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

### The S10-6 group contains 96 contigs.

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Description	> Xenopus EST [CDS CATEGORY]	> hmg-1 (partial) > duplicate [CDS CATEGORY]	> Xenopus EST	> Xenopus EST	> Xenopus EST	> RING finger protein (FL) [CDS CATEGORY]	> Xenopus EST	> polyA binding protein II (FL) [CDS CATEGORY]	> Arg/Ser rich splicing factor 11 (FL) [CDS CATEGORY]	> xOct-25 (FL) [CDS CATEGORY]	> xNF-7 (FL) [CDS CATEGORY]	> ODC (FL) > Duplicate [CDS CATEGORY]	> Xenopus EST	> cdc2 kinase (FL) [CDS CATEGORY]
Forms EC	IS	S.	SI	SI	IS I	<u>IS</u>	IS I	<u>IS</u>	<u>IS</u>	<u>IS</u>	4S	MS	NS	M S
Form	VEMS	$V \underline{F} \underline{M} \underline{S}$	2m V F M S	$V \underline{F} \underline{M} \underline{S}$	VFMS	VEMS	VEMS	VFMS	VEMS	VEMS	VFMS	VEMS	VEMS	2m V E M S
Evidence	1d 2m	1p 1d 2m	1d 2m	1d 2m	1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	3p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m
×		7		83	2	4	70	4	2	2	I	51	3	2
AA	227 <u>aa</u>	$231 \overline{aa}$	226 <u>aa</u>	246 <u>aa</u>	217 <u>aa</u>	222 <u>aa</u>	715 bp 125 238 aa	236 aa			231 aa			231 <u>aa</u>
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Bases	682 bp	<u> </u>	681 bp	740 bp	652 bp	dq 899	715 bp	710 bp	711 bp	695 bp	aq 969	747 bp 71	679 bp	
a e	S10-6-A1 682 bp	S10-6-A10 696 bp	S10-6-A11 681 bp	S10-6-A12 740 bp 103 246 aa	S10-6-A2	S10-6-A3	S10-6-A4	S10-6-A5	1	S10-6-A7	S10-6-A8	11	S10-6-B1	S10-6-B10

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MS	MS	MS	MS	MS	MS	W S	MS	MS	MS	MS	MS	MS	MS	M S	W S	MS	M S	MS	MS	MS	MS	M S	MS	MS	M S	MS	MS	W S	MS
VF	VF	VF.	VF	V.F.	VF	VF	VF	VF	VF	VF	$\sqrt{\mathrm{F}}$	N F	VF	VF	VF	VF	VF	VF	VF	VF	V.F	$V\overline{F}$	VF	VF	VF	VE	VF	VF	VF
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227	219	220	223	245	256	241	249	176	239	225	229	226 <u>aa</u>	226	226	225	223	255	236	232	218	104	225	230	226	221	225	223	214	235
	7			171	16	62	3	3	4		7		,	, <b></b>	П	2	∞	2	-		42		2				-	7	9
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682	629		672	736	771	726	750	529	718	<u>48/9</u>	689	089	dq 089	629	929	672	<u> 766 bp</u>	710	697	656	315	8/9	693	681	999	1129	029	645	90/
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S10-6-B11	S10-6-B12	S10-6-B2	S10-6-B3	S10-6-B4	S10-6-B5	S10-6-B6	S10-6-B7	S10-6-B8	S10-6-B9	S10-6-C1	S10-6-C10	S10-6-C11	S10-6-C12	S10-6-C2	S10-6-C3	S10-6-C4	S10-6-C5	S10-6-C6	S10-6-C7	S10-6-C8	S10-6-C9	S10-6-D1	S10-6-D10	S10-6-D11	S10-6-D12	S10-6-D2	S10-6-D3	S10-6-D4	S10-6-D5
	نئتا	ليتا			123	1 <b>2</b> 2			<u> </u>	<u> </u>	L <b></b> _	<u> </u>	<u> </u>	121	<b>4</b> 1	<u> </u>		<b>1</b>	L	<u> </u>		L <b>-</b> 2	124			1 <u>74</u>	لئتا	لـــــــا	11-2

> RAC Protein Kinase BETA (FL) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > kiaa0948 protein (FL) > Xenopus EST [CDS CATEGORY] > kiaa0948 protein (FL) > Xenopus EST [CDS CATEGORY] > Xenopus EST > lamina associated protein 2-beta isoform (FL) [CDS CATEGORY] > Syntaxin-11 like (FL) [CDS CATEGORY] > Xenopus EST > transcriptional regulator protein (FL) [CDS CATEGORY] > transcriptional regulator protein (FL) [CDS CATEGORY] > transcriptional regulator protein (FL) [CDS CATEGORY] > phosphatidylinositol glycan, class C (partial) [CDS CATEGORY] > retrofransposon element [CDS CATEGORY] > polyubiquitin (partial) [CDS CATEGORY] > polyubiquitin (partial) [CDS CATEGORY] > polyubiquitin (partial) [CDS CATEGORY] > Senopus EST [CDS CATEGORY] > Asenopus EST [CDS CATEGORY] > Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATEGORY] > Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATEGORY] > Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATEGORY] > Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATEGORY] > Arg/Ser-rich 5 splicing factor (FL) > duplicate [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > thyroid hormone receptor coactivating protein (partial) [ > Xenopus EST > Wiskott-Aldrich syndrome interacting protein > cold-inducible rna-binding protein (partial) > duplicate
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S10-6-D6	$\neg \vdash$	7	S10-6-D9 6	S10-6-E1 (	S10-6-E10	S10-6-E11	S10-6-E12	S10-6-E2	S10-6-E3	S10-6-E4	S10-6-E5	S10-6-E6	S10-6-E7	S10-6-E8	S10-6-E9	S10-6-F1	S10-6-F10	S10-6-F11	S10-6-F12	S10-6-F2	S10-6-F3	S10-6-F4	S10-6-F5	S10-6-F6	S10-6-F7	S10-6-F8	S10-6-F9	S10-6-G1

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### http://willa.rockefeller.edu/magpie/xenopus/S10-6/S10-6\_home.html DOGINAL TERMINE

> kelch MIPP like (partial) [CDS CATEGORY] > claudin-7 (FL) > Duplicate [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > xenopus EST > Duplicate [CDS CATEGORY] > Xenopus EST   CDS CATEGORY] > Xenopus EST   CDS CATEGORY]	> Xenopus EST > DNA replication factor mcm6b (partial) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > eIF2 gamma (FL) [CDS CATEGORY]	> Zn Finger protein (partial) [CDS CATEGORY] > 40S ribosomal protein S4 (nFL) > Duplicate [CDS CATEGORY]	> Xenopus EST > Xenopus EST [CDS CATEGORY] > Nucleolin (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > hnrnap A2/B1 (FL) > Duplicate [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Keratin, Type II cytoskeletal 8 (FL) > Duplicate [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > CGI-86 like (FL) [CDS CATEGORY]
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Created on Mon Jul 10 08:50:36 EDT 2000

Questions and comments about xenopus are welcome! Send to asczyrba@genomes.rockefeller.edu

Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

## MAGPIE-PROJECT-xenopus

**GROUP: S10-7** 

STATE: protein dna

< S10-6 - S10-8 > Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

The S10-7 group contains 96 contigs.

Oth Repo		
Description	<ul> <li>&gt; glycerol kinase (FL) [CDS CATEGORY]</li> <li>&gt; 5'-nucleotidase (FL) [CDS CATEGORY]</li> <li>&gt; Xenopus EST [CDS CATEGORY]</li> <li>&gt; Xenopus EST [CDS CATEGORY]</li> <li>&gt; 3-oxoacid CoA transferase (FL) [CDS CATEGORY]</li> <li>&gt; U1 snRNP 70 KD (FL) [CDS CATEGORY]</li> <li>&gt; cytochrome B (FL) [CDS CATEGORY]</li> <li>&gt; Suppressor of hairless protein 1 (FL) [CDS CATEGORY]</li> <li>&gt; protein tyrosine kinase 9 (FL) &gt; Xenopus EST [CDS CATEGORY]</li> <li>&gt; Xenopus EST [CDS CATEGORY]</li> <li>&gt; TIAM/SIF (partial) [CDS CATEGORY]</li> <li>&gt; ubiquitin-like protein smt3a (FL) &gt; Duplicate [CDS CATEGO</li> <li>&gt; DG42 protein (FL) [CDS CATEGORY]</li> </ul>	> cytochrome c oxidase subunit I (nFL) > Duplicate [CD3 CA1
EC		<b>S</b>
Forms EC	d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S           d 2m         V F M S	VEMS
AA X Evidence	5         1p 1d 2m         V F M S           4         1p 1d 2m         V F M S           14         1d 2m         V F M S           3         1d 2m         V F M S           4         1p 1d 2m         V F M S           4         1p 1d 2m         V F M S           6         1p 1d 2m         V F M S           5         1p 1d 2m         V F M S           6         1p 1d 2m         V F M S           7         1d 2m         V F M S           8         1p 1d 2m         V F M S           9         1p 1d 2m         V F M S           10         1p 1d 2m         V F M S           10         1p 1d 2m         V F M S	<u>1p 1d</u>
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Bases	743 bp 4 675 bp 5 675 bp 13 706 bp 13 706 bp 27 789 bp 27 725 bp 5 725 bp 5 761 bp 17	709 bi
a	S10-7-A1       743 bp       4       247 aa       5       1p 1d 2m       V F M S         S10-7-A10       675 bp       5       224 aa       4       1p 1d 2m       V F M S         S10-7-A11       670 bp       13       223 aa       14       1d 2m       V F M S         S10-7-A12       706 bp       3       235 aa       3       1d 2m       V F M S         S10-7-A2       728 bp       20       262 aa       4       1p 1d 2m       V F M S         S10-7-A3       789 bp       20       262 aa       4       1p 1d 2m       V F M S         S10-7-A5       800 bp       8       266 aa       6       1p 1d 2m       V F M S         S10-7-A5       800 bp       8       266 aa       6       1p 1d 2m       V F M S         S10-7-A6       725 bp       5       241 aa       5       1p 1d 2m       V F M S         S10-7-A6       765 bp       2       238 aa       2       1d 2m       V F M S         S10-7-A7       716 bp       2       238 aa       2       1d 2m       V F M S         S10-7-A9       761 bp       18       253 aa       10       1p 1d 2m       V F M S         S1	S10-7-B10 709 bp 1 236 aa 2

S10-7-B11         676 bp         4         225 aa         4         1p 1d 2m         V F M S           S10-7-B12         699 bp         4         232 aa         8         3p 1d 2m         V F M S           S10-7-B2         790 bp         9         263 aa         6         1d 2m         V F M S           S10-7-B3         777 bp         6         258 aa         6         1d 2m         V F M S           S10-7-B4         724 bp         3         241 aa         2         1d 2m         V F M S           S10-7-B5         712 bp         5         274 aa         5         1d 2m         V F M S           S10-7-B6         718 bp         3         239 aa         5         1p 1d 2m         V F M S           S10-7-B7         709 bp         8         254 aa         5         1p 1d 2m         V F M S           S10-7-B7         709 bp         6         259 aa         5         1p 1d 2m         V F M S           S10-7-C1         694 bp         1         231 aa         5         1p 1d 2m         V F M S           S10-7-C1         694 bp         1         233 aa         5         1p 1d 2m         V F M S           S10-7-C2         780 b	> Xenopus EST [CDS CATEGORY]					۸	Δ_	Λ	Λ.	Λ	Λ.	Λ	۸		> ADOMETDC (FL) [CDS CATEGO	Λ.	<b></b>					٨		Λ	Λ	Λ	\$	\$		S > Xenopus EST [CDS CATEGORY]
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> nice-3 protein (FL) [CD3 CA1EGON1]
> KIAA0886 protein (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST > Human hypothetical (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Cyclin 1 (FL) [CDS CATEGORY]
> Xenopus EST > Repetative element [CDS CATEGORY]
> Human hypothetical (FL) [CDS CATEGORY]
> tyrosine-protein kinase src-2 (P60-SRC-2) (FL) [CDS CATEG
> Xenopus EST [CDS CATEGORY]
> sperm surface protein/JNK/SAPK interacting (partial) [CDS
> kiaa0421/lambda/iota protein kinase C (partial) [CDS CATE
> Variant Histone H2A.Zl2 (FL) [CDS CATEGORY]
> ADOMETDC (FL) [CDS CATEGORY]
> thioredoxin interacting factor (partial) [CDS CATEGORY]
> Xenopus EST > C elegans ORF (FL) [CDS CATEGORY]
> hepatoma-derived growth factor (FL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> BMP-7 (FL) [CDS CATEGORY]
> claudin-7 (FL) > Duplicate [CDS CATEGORY]
> G protein pathway suppressor 1 (FL) [CDS CATEGORY]
> Xenopus EST
> fatvg (FL) [CDS CATEGORY]
> Cyt c oxidase subunit I (partial) [CDS CATEGORY]
> mitochondria > Similar [CDS CATEGORY]
> protein kinase, cAMP-dependent, regulatory (partial) [CDS
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						227	213	245	237	91	239	235	236	231	256	244	236	250	122	239	242	240	241	264	238	238	239	244
238	259	254	251	244	237	2	7	7	7	<u> </u>	ri	7	7			<u>CÌ</u>	7	7	_	7	7	7	2	1 2		1		il i
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S10-7-D6	S10-7-D7	S10-7-D8	S10-7-D9	S10-7-E1	S10-7-E10	S10-7-E11	S10-7-E12	S10-7-E2	S10-7-E3	S10-7-E4	S10-7-E5	S10-7-E6	S10-7-E7	S10-7-E8	S10-7-E9	S10-7-F1	S10-7-F10	S10-7-F11	S10-7-F12	S10-7-F2	S10-7-F3	S10-7-F4	S10-7-F5	S10-7-F6	S10-7-F7	S10-7-F8	S10-7-F9	S10-7-G1
SI	SI	SI	SI	SI	SI	S	S	SI	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	

> phospholipase C, epsilon (partial) [CDS CATEGORY]
> Xenopus EST
> xenopus EST > duplicate [CDS CATEGORY]
> Xenopus EST
> Xenopus EST [CDS CATEGORY]
> p75-like transmembrane protein fullback (FL) [CDS CATEGOR
> Xenopus EST
> hn ribonucleoprotein R (partial) [CDS CATEGORY]
> ADP-ribosylation factor 4 (FL) [CDS CATEGORY]
> Xenopus EST > Sunaptic vesicle Prot. Vat-1 (FL) [CDS CATE
> Xenopus EST > Conserved Element [CDS CATEGORY]
> Xenopus EST > Transposase (minus Strand) [CDS CATEGORY]
> Hypothetical Protein (nFL) [CDS CATEGORY]
> xenopus EST > Duplicate [CDS CATEGORY]
> Vector > Duplicate [CDS CATEGORY]
> Pak-2 (partial) [CDS CATEGORY]
> Protein kinase FNK/SNK (partial?) [CDS CATEGORY]
> mitochondrial uncoupling protein 2 (partial) [CDS CATEGOR
> tyrosine kinase JAK1 (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> xMek-3 (FL) [CDS CATEGORY]
> Xenopus EST > Conserved element [CDS CATEGORY]
> Paraneoplastic antigen (partial) [CDS CATEGORY]
> Xenopus EST
> calumenin (FL) [CDS CATEGORY]
> cdc25C2 (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> G2/MITOTIC-SPECIFIC cyclin B1 (FL) > Duplicate [CDS CATEG
> NADH-cytochrome B5 reductase (FL) [CDS CATEGORY]

> amino acid transporter B0+ (partial) [CDS CATEGORY]	> FAT-3 alcohol dehydrogenase like (FL) [CDS CATEGORY]	> Xenopus ESI [CDS CA1EGORY]	> translation repressor NAT1 (partial) [CDS CATEGORY]	> Xenopus EST	> fls353 (partial) [CDS CATEGORY]	> kiaa1095 protein (FL) > Xenopus EST [CDS CATEGORY]	> Xenopus EST	> U3 snoRNP-associated 55-kd protein (FL) > Xenopus EST [CD	> G9A (partial) [CDS CATEGORY]	> Hypothetical protein (FL) > Xenopus EST [CDS CATEGORY]	> G2/MITOTIC-SPECIFIC cyclin B1 (FL) [CDS CATEGORY]	> t-box protein like (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> Xenopus EST > Marks Related protein (FL) [CDS CATEGORY]	> Zn finger protein (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> B99 protein (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> fatty aldehyde dehydrogenase (FL) [CDS CATEGORY]	> Zn finger protein (partial) [CDS CATEGORY]	> methionine aminopeptidase (partial) [CDS CATEGORY]	> leucine-rich acidic nuclear protein (FL) > Duplicate [CDS
S10-7-G10  703 $\overline{ m bp}$   6   234 $\overline{ m aa}$   5   $\overline{ m 1p}$ 1d $\overline{ m 2m}$   $\overline{ m V}$ $\overline{ m E}$ $\overline{ m M}$ $\overline{ m S}$	4 250 aa 4 1p	S10-7-G12 706 $\overline{\text{bp}}$ 7   235 $\overline{\text{aa}}$ 7   1d 2m   V $\overline{\text{F M S}}$	S10-7-G2 738 bp 14 245 aa 12 2p 1d 2m $V \to M S$	3 709 bp 7 236 aa 7 1d 2m V F M S	736	S10-7-G5 719 bp 2 239 aa 3 2p 1d 2m V F M S	36 592 bp 11 197 aa 7 1d 2m V F M S	S10-7-G7 719 bp 2 239 aa 1 2p 1d 2m V F M S	38 711 bp 236 aa 1p 1d 2m V F M S		347 bp 6 115 aa 5 2p 1d 2m	S10-7-H10 748 bp 4 249 aa 4 1p 1d 2m V F M S	31	S10-7-H12 757 bp 4 252 aa 5 3p 1d 2m V E M S	H2 724 bp 7 241 aa 7 2p 1d 2m $\overline{V \to M S}$	732 bp 1	H4 728 bp 2 242 aa 3 $2p 1d 2m V E M S$		11	- 11	S10-7-H8 710 bp 1 236 aa 2 1p 1d 2m V F M S	S10-7-H9 763 bp 12 254 aa 11 1p 1d 2m V F M S
S10-7-C	S10-7-C	S10-7-C	S10-7-C	S10-7-G3	S10-7-G4	S10-7-(	S10-7-G6	)-L-01S	S10-7-G8	S10-7-G9	S10-7-H1	S10-7-I	S10-7-1	S10-7-1	S10-7-H2	S10-7-H3	S10-7-H4	S10-7-H5	S10-7-	S10-7-H7	S10-7-	S10-7-

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Questions and comments on MAGPIE are welcome! Send to gaasterland@rockefeller.edu [Terry Gaasterland] or sensencw@niji.imb.nrc.ca

## MAGPIE-PROJECT-xenopus

**GROUP: S10-8** 

STATE: protein dna

< S10-7 - Mon Jul 10 08:50:36 EDT 2000

sort by signature

# STATUS | CONTIG INFO | ANNOTATIONS | PRIMERS | ANNOTATOR

The S10-8 group contains 96 contigs.

Description	> Zn finger Protein (partial) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Xenopus EST > sialomucin MGC-24 (FL) [CDS CATEGORY] > Xenopus EST > alpha(E)-catenin 3' UTR (partial) > Ser/Thr Protein Kinase (FL) [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Xenopus EST [CDS CATEGORY] > Ancx-3 like (FL) [CDS CATEGORY] > Hansmembrane 9 superfamily member 2 (partial) [CDS CATEGORY] > Hactate dehydrogenase (FL) [CDS CATEGORY] > Lactate dehydrogenase (FL) [CDS CATEGORY] > Knotted-related homeobox (FL) [CDS CATEGORY] > Zn finger protein xfdll41 (FL) [CDS CATEGORY]
EC	
Forms	Id 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S           1d 2m         V F M S
Evidence	1p 1d 2m       V F M S         1d 2m       V F M S         3p 1d 2m       V F M S         1d 2m       V F M S         2p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S         1p 1d 2m       V F M S
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AA	233 aa 225 aa 221 aa 221 aa 221 aa 232 aa 230 aa 2246 aa 224 aa 224 aa 225 aa 224 aa 224 aa 224 aa 225 aa 224 aa 225 aa 227 a
Z	1 1 4 4 4 1 1 9 9 9 9 9 9 9 9 9 9 9 9 9
Bases	701 bp 677 bp 665 bp 697 bp 691 bp 699 bp 673 bp 673 bp 673 bp 673 bp 673 bp
<b>a</b>	S10-8-A1       701 bp         S10-8-A10       677 bp         S10-8-A11       665 bp         S10-8-A12       666 bp         S10-8-A2       697 bp         S10-8-A3       691 bp         S10-8-A4       690 bp         S10-8-A5       740 bp         S10-8-A6       688 bp         S10-8-A7       673 bp         S10-8-A9       673 bp         S10-8-B1       703 bp         S10-8-B1       675 bp

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> delta/	× xenor	> RAR	> RNA	> Xeno	> Xeno	> Ribos	> EIF 4	> sortin	> Xeno	> delta	> KIA	> pre-ı	> hnR	> xeno	> Xen(	on[s <	> Hyp	> cgi-7	> kiaa	> Xen	> Xen	> beta	> Xen	> Xen	> adb	> kiaa	> Xen	NS <	> xen
∞I	SI	∞I	ωI	<b>∞</b> I	M S	$\overline{\overline{S}}\overline{\overline{M}}$	M S	MS	M S	Z N		M S	MS	$\overline{\mathbf{M}}$	$\overline{\overline{\mathbf{M}}}$	M S	M S	$\overline{S}\overline{M}$	$\overline{\overline{S}}$	M S	M S	M S	M S	$\overline{M}$	S W		S W		Z Z
VFM	$\sqrt{\mathrm{FM}}$	V = M	V = M	VEM	V F N	VFI	VE	VE		VF				V = 1	$V_{E}$	V = V	VF		VF	V =	VE	$V\bar{F}$	VF		$V\overline{\mathrm{F}}$	VF	_ V <u>F</u>	>_	_ V F
1p 1d 2m	1d 2m	1d 2m	2p 1d 2m	1d 2m	1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1d	2p 1d 2m	3p 1d 2m	1p 1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	3p 1d 2m	2p 1d 2m	2p 1d 2m	1d 2m	1d 2m	1p 1d 2m	3p 1d 2m	14	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1d 2m
9	2	9	3	3	3	4	×		-	62	<u> </u>	4	7	-	73	7	4	П	3	3	2	П	Н	2	<u> </u>	Н		7	9
223 <u>aa</u>	232 <u>aa</u>	231 <u>aa</u>	221 <u>aa</u>	222 aa	245 <u>aa</u>	243 <u>aa</u>	240 <u>aa</u>	224 <u>aa</u>	180 <u>aa</u>	230  aa	$220 \frac{aa}{a}$	$222 \overline{aa}$	235 <u>aa</u>	229 <u>aa</u>	229 <u>aa</u>	228 <u>aa</u>	246 <u>aa</u>	216 <u>aa</u>	241 <u>aa</u>	224 <u>aa</u>	222 <u>aa</u>	$224 \overline{aa}$	206 <u>aa</u>	219 <u>aa</u>	<u>233 aa</u>	230 <u>aa</u>	228 <u>aa</u>	244 <u>aa</u>	219 aa
	2	6	3	3	7	5	∞		7	76	1	4	10		105	1	3	process day advantages	9	n	7	7		2	- Annual Control of the Control of t			m	9
dq 0/9	<u>aq 669</u>	694 bp	999 PD	<u>dq</u> 899	736 bp	730 bp	721 bp	675 bp	543 bp	691 bp	663 bp	667 bp	708 bp	<u>ज्</u> य 889	<u>49069</u>	<u> 486 bp</u>	739 bp	649 bp	726 bp	673 bp	<u>qd</u> 699	674 bp	619 bp	<u>40099</u>	700 bp	692 bp	687 bp	735 bp	<u>dq 659</u>
S10-8-B12   6	S10-8-B2 6	S10-8-B3 6	S10-8-B4 (	S10-8-B5 (	S10-8-B6	S10-8-B7	S10-8-B8	S10-8-B9 (	S10-8-C1	S10-8-C10	S10-8-C11	S10-8-C12	S10-8-C2	S10-8-C3	S10-8-C4	S10-8-C5	S10-8-C6	S10-8-C7	S10-8-C8	S10-8-C9	S10-8-D1	S10-8-D10	S10-8-D11	S10-8-D12	S10-8-D2	S10-8-D3	S10-8-D4	S10-8-D5	S10-8-D6

> Xenopus EST [CDS CATEGORY] > SNF5 protein (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY] > SNF5 protein (FL) [CDS CATEGORY]
> SIVES protein (FL) [CDS CALEGOVA]	> SINFS protein (FL) COLLEGE CATECODY!

> xenopus EST > hypot	> cdc47-2 (partial) [CD)	> Xenopus EST	> ASF-2 (FL) [CDS CA	> kiaa0995 like (FL) [C	> RAD54 (FL) [CDS C.	> Exostosin-2 like (nFL	> Xenopus EST [CDS (	> pecanex 1 (partial) [C	> hFetal Brain ORF (n	> Xenopus EST	> Xenopus EST	> Xenopus EST > EMI	> human autoantigen l	> Xenopus EST	> ubiquitin-conjugatin	> PKC inhibitor 1 (FL		> Xenopus EST > argi	> Xenopus EST [CDS	> Xenopus EST [CDS	> antizyme inhibitor (1	> Nucleosome assembl	> xenopus EST > BRN	> Xenopus EST [CDS	> Xenopus EST	> hnRNP G (FL) [CD)	> Xenopus EST > Cor	> Xenopus EST
$\overline{V \times M S}$	VFMS	VFMS	VEMS	VFMS	VFMS	VFMS	VFMS	VFMS	VEMS	VEMS	VEMS	VFMS	VEMS	VEMS	$V \underline{F} \underline{M} \underline{S}$	VFMS	VEMS	VFMS	VEMS	VEMS	VEMS	VEMS	VEMS	VEMS	VFMS	$V \underline{F} \underline{M} \underline{S}$	$\mathbf{Z}$	VEMS
2p 1d 2m	1d 2m	1d 2m	1p 1d 2m	2p 1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1p 1d 2m	1p 1d 2m	1d 2m	1d 2m	2p 1d 2m	1p 1d 2m	3d	1p 1d 2m	1p 1d 2m	1d 2m	3p 1d 2m	1d 2m	1d 2m	1p 1d 2m	2p 1d 2m	3p 1d 2m	1d 2m	1d 2m	1p 1d 2m	1d 2m	1d 2m
3	2	<u> </u>	4	7	7	П	13	3	4	m	70	3		2	П	1	-	3	4	c	S	2	54	ω.	66	7	7	1 2
242 <u>aa</u>	103 <u>aa</u>	69 <u>aa</u>	228 <u>aa</u>	216 <u>aa</u>	216 <u>aa</u>	220 <u>aa</u>	231 <u>aa</u>	230 <u>aa</u>	225 <u>aa</u>	245 <u>aa</u>	229 aa	223 <u>aa</u>	223 <u>aa</u>	224 aa	231 <u>aa</u>	222 <u>aa</u>	220 aa	216 aa	225 <u>aa</u>	$230 \overline{aa}$	231 aa	226 <u>aa</u>	229 <u>aa</u>	222 <u>aa</u>	$230 \overline{aa}$	223 <u>aa</u>	227 <u>aa</u>	223 <u>aa</u>
3	3 1		4	7	× ×		15	8	5	4	68	2			1			4	4	3	5	-	72	3	148	7	-	П
729 bp	JL	<u>210 bp</u>	dq 989	<u> </u>	dq 059	662 bp	dq 969	692 bp	<u>qd</u> 878	737 bp	dq 689	671 bp	670 bp	673 bp	dq 969	<u>dq 899</u>	661 bp	651 bp	678 bp	693 bp	dq 969	dq 629	<u>qd</u> 689	<u>dq</u> 899	691 bp	672 bp	682 bp	) 671 bp
S10-8-D7	S10-8-D8	S10-8-D9	S10-8-E1	S10-8-E10	S10-8-E11	S10-8-E12	S10-8-E2	S10-8-E3	S10-8-E4	S10-8-E5	S10-8-E6	S10-8-E7	S10-8-E8	S10-8-E9	S10-8-F1	S10-8-F10	S10-8-F11	S10-8-F12	S10-8-F2	S10-8-F3	S10-8-F4	S10-8-F5	S10-8-F6	S10-8-F7	S10-8-F8	S10-8-F9	S10-8-G1	S10-8-G10 671

> venomis FST > hypothetical ORF [CDS CATEGORY]
> cdc47-2 (partial) [CDS CATEGORY]
> Xenopus EST
> ASF-2 (FL) [CDS CATEGORY]
> kiaa0995 like (FL) [CDS CATEGORY]
> RAD54 (FL) [CDS CATEGORY]
> Exostosin-2 like (nFL) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> pecanex 1 (partial) [CDS CATEGORY]
> hFetal Brain ORF (nFL)) [CDS CATEGORY]
> Xenopus EST
> Xenopus EST
> Xenopus EST > EMP [CDS CATEGORY]
> human autoantigen like (FL) [CDS CATEGORY]
> Xenopus EST
> ubiquitin-conjugating enzyme e2 (FL) [CDS CATEGORY]
> PKC inhibitor 1 (FL) [CDS CATEGORY]
> Xenopus EST
> Xenopus EST > arginine methyltransferase (partial) [CDS C
> Xenopus EST [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> antizyme inhibitor (nFL) [CDS CATEGORY]
> Nucleosome assembly factor related (FL) [CDS CATEGORY]
> xenopus EST > BRM/BRG related (partial) [CDS CATEGORY]
> Xenopus EST [CDS CATEGORY]
> Xenopus EST
> hnRNP G (FL) [CDS CATEGORY]
> Xenopus EST > Conserved element [CDS CATEGORY]
> Xenopus EST

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> Fused toes (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> thymic dendritic cell-derived factor 1 (FL) [CDS CATEGOR	> AKT2 Kinase (partial) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> histone binding protein N1/N2 (FL) [CDS CATEGORY]	> conserved element > Xenopus EST [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> Cyt C oxidase chain 1 (FL) [CDS CATEGORY]	> Xenopus EST	> cytochrome c oxidase subunit II (nFL) [CDS CATEGORY]	> xenopus EST > Conserved Element [CDS CATEGORY]	> LIM domain protein (FL) [CDS CATEGORY]	> Xenopus EST [CDS CATEGORY]	> phosphoprotein phosphatase 2A regulatory subunit (FL) [C	> xETS-2A-2 (FL) [CDS CATEGORY]	> ras Activating protein (FL) [CDS CATEGORY]	> Xenopus EST	> Hypothetical C elegans (Partial) [CDS CATEGORY]	> Xenopus EST	> prp28, U5 snrnp (partial) [CDS CATEGORY]
aa 1 1p 1d 2m V E M S	aa 1 1d	aa 2 1p 1d 2m		aa 61	aa 3 1p 1d 2m V F M S	$\overline{aa}$ 3 1d 2m $\overline{V F M S}$	$\overline{aa}$ 4 $\overline{1d 2m}$ $\overline{V F M S}$	aa 3 1p 1d 2m V F M S		$aa = 4   b \cdot b \cdot d \cdot 2m   V \cdot F \cdot M \cdot S  $	aa  2   1d 2m   V F M S		aa   5 $1d 2m   V F M S  $	aa 3 1p 1d 2m V F M S	aa 3 1p 1d 2m V F M S	aa 3 1p 1d 2m V F M S	aa 5 1d2m V E M S	aa 2 2p 1d 2m V F M S	$\overline{aa}$ 93 1d 2m $\overline{V F M S}$	laa 8 2p 1d 2m VFMS
S10-8-G11 664 bp 221	227 1 231	S10-8-G3 695 bp 1 231	S10-8-G4   692 bp 4   230	S10-8-G5 700 bp 89 233	S10-8-G6 735 bp 4 244	S10-8-G7 724 bp 3 241	S10-8-G8 671 bp 3 223	S10-8-G9 667 bp 2 222	S10-8-H1 696 bp 5 231	S10-8-H10 626 bp 5 208	S10-8-H11 662 bp 1 220	S10-8-H12 665 bp 2 221	S10-8-H2 697 bp 5 232	S10-8-Н3 693 bp 3 230	S10-8-H4   688 bp   4   229	S10-8-H5   729 bp   3   242	S10-8-H6   728 bp   5   242	S10-8-H7 674 bp 1 224	S10-8-H8 737 bp 130 245	S10-8-H9 673 bp 7 224

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#### **APPENDIX 2**

Tables S10-1 to S10-8; each table having 4 pages (page 5 of 5 omitted in all cases)

Q9925904.Seq

TTTTTGAAANCCCNINTACNTGTTCCNTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGGGGAAAAGGAGTG TGTCCATCTTTAGGCGGGACACACTCGGAGGCTGCCAGATTTGGAGGTGGTTTAGGAGACGGCCAATACAGGGCGAAACACGGT GCCCAGCGAGTICNGIGCIGCAAIGITICCAGAAACCCTIGAIGAAGGCAIGCAGAITCCAICCACGCAGITTIGACICTIGCAC TTTTGTATTCGTTCGAGGCGGGTAACTGAAAGGGATCAGCAATATAAACGGGGAAAAGTAAATCGCTGCTCTTGCTGCCATACCC GACGGCCGGAGCCGGGGACACCGAGCCGACGGCTTGTAATCCACAACCTGGTTCTTTGGAAACTGTTGAAAAATGGCAACTCAA TTTGTATGAGTGGGAGCAAGGCTTCACTCAGTCTTTCACTCAAGATCAAGTGGCTGATATTGATGGTCAGTATGCTATGACAAGA ACCCAACAAATGTACAACGTTTAACAGAGCCTTCTCAGATGCTCAAACATGCTN

Q9925905.Seq

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#### INGIDUME INFEST

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Q9925907.Seq

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#### Q9925911.Seq

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### DOUTDARE DEEDT

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#### DOOTIONE WEEKER

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